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Db      121 PMFHGKISGQEAVALQGPEDGLFVRESARHPGDIYVCSFGSDVITRYVLAHDDGHTLI 180
Qy      181 DEAVFPCNLMDMVHEHYSXDKGAICTKLVRPKRKGSTSAEELARAGWLMLOHLLTLGAQ 240
Db      181 DEAVFPCNLMDMVHEHYSXDKGAICTKLVRPKRKGSTSAEELARAGWLMLOHLLTLGAQ 240
Qy      241 IGGEFPGAVLQGEYVLCQKVAVKNIKCDVTAQAFIDETAVMTKMOHENIVRLIGVILHQGL 300
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Qy      301 YIWEHVSXGNLVNPLRTGRALVNTAQLLOPSLHVAGMEYLESKCLVHRDLAARNILV 360
Db      301 YIWEHVSXGNLVNPLRTGRALVNTAQLLOPSLHVAGMEYLESKCLVHRDLAARNILV 360
Qy      361 SEDLVAKVSDPGLAKAEKRGKLDSSRLPYKMTAPALAKGKFTSKSDVMSFGVILMEVFSY 420
Db      361 SEDLVAKVSDPGLAKAEKRGKLDSSRLPYKMTAPALAKGKFTSKSDVMSFGVILMEVFSY 420
Qy      421 GRAPYPKMSLKEVSEAVENKGYRMEPPGCGPGPVHVMSSCWEAPARPPPRKLAELAR 480
Db      421 GRAPYPKMSLKEVSEAVENKGYRMEPPGCGPGPVHVMSSCWEAPARPPPRKLAELAR 480
Qy      481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
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RESULT 2

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US-09-977-260-2
; Sequence 2, Application US/09977260
; Publication No. US20020192790A1
; GENERAL INFORMATION:
; APPLICANT: ULIRICH, AXEL
; APPLICANT: GISHITZKY, MIKHAIL
; APPLICANT: SURES, IRINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 036602/1260
; CURRENT APPLICATION NUMBER: US/09/977, 260
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 507
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte
; OTHER INFORMATION: Kinase 1
US-09-977-260-2

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Query Match      100.0%; Score 2671; DB 9; Length 507;
Best Local Similarity 100.0%; Pred. No. 5.8e-209;
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MAGRSLVSWRAFPGCDASAEELPRVSPRFLRAMHPPVSAAMPTRRWAPGTQCTKCEHT 60
Db      1 MAGRSLVSWRAFPGCDASAEELPRVSPRFLRAMHPPVSAAMPTRRWAPGTQCTKCEHT 60
Qy      61 RPKPEGLAFRKGDDVTTILACENKSWYRVKHTSGQEGLLAAGALREDEALADPKSLM 120
Db      61 RPKPEGLAFRKGDDVTTILACENKSWYRVKHTSGQEGLLAAGALREDEALADPKSLM 120
Qy      121 PMFHGKISGQEAVALQGPEDGLFVRESARHPGDIYVCSFGSDVITRYVLAHDDGHTLI 180
Db      121 PMFHGKISGQEAVALQGPEDGLFVRESARHPGDIYVCSFGSDVITRYVLAHDDGHTLI 180
Qy      181 DEAVFPCNLMDMVHEHYSXDKGAICTKLVRPKRKGSTSAEELARAGWLMLOHLLTLGAQ 240
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Qy      241 IGGEFPGAVLQGEYVLCQKVAVKNIKCDVTAQAFIDETAVMTKMOHENIVRLIGVILHQGL 300
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Qy      301 YIWEHVSXGNLVNPLRTGRALVNTAQLLOPSLHVAGMEYLESKCLVHRDLAARNILV 360
Db      301 YIWEHVSXGNLVNPLRTGRALVNTAQLLOPSLHVAGMEYLESKCLVHRDLAARNILV 360
Qy      361 SEDLVAKVSDPGLAKAEKRGKLDSSRLPYKMTAPALAKGKFTSKSDVMSFGVILMEVFSY 420
Db      361 SEDLVAKVSDPGLAKAEKRGKLDSSRLPYKMTAPALAKGKFTSKSDVMSFGVILMEVFSY 420
Qy      421 GRAPYPKMSLKEVSEAVENKGYRMEPPGCGPGPVHVMSSCWEAPARPPPRKLAELAR 480
Db      421 GRAPYPKMSLKEVSEAVENKGYRMEPPGCGPGPVHVMSSCWEAPARPPPRKLAELAR 480
Qy      481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
Db      481 ELRSAGAPASVSGQDADGSTSPRSQEP 507

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RESULT 3

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US-09-977-261-2
; Sequence 2, Application US/09977261
; Publication No. US20030354527A1
; GENERAL INFORMATION:
; APPLICANT: ULIRICH, AXEL
; APPLICANT: GISHITZKY, MIKHAIL
; APPLICANT: SURES, IRINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 036602/1259
; CURRENT APPLICATION NUMBER: US/09/977, 261
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 507
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte
; OTHER INFORMATION: Kinase 1
US-09-977-261-2

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Query Match      100.0%; Score 2671; DB 10; Length 507;
Best Local Similarity 100.0%; Pred. No. 5.8e-209;
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1 MAGRSLVSWRAFPGCDASAEELPRVSPRFLRAMHPPVSAAMPTRRWAPGTQCTKCEHT 60
Qy      61 RPKPEGLAFRKGDDVTTILACENKSWYRVKHTSGQEGLLAAGALREDEALADPKSLM 120
Db      61 RPKPEGLAFRKGDDVTTILACENKSWYRVKHTSGQEGLLAAGALREDEALADPKSLM 120
Qy      121 PMFHGKISGQEAVALQGPEDGLFVRESARHPGDIYVCSFGSDVITRYVLAHDDGHTLI 180
Db      121 PMFHGKISGQEAVALQGPEDGLFVRESARHPGDIYVCSFGSDVITRYVLAHDDGHTLI 180
Qy      181 DEAVFPCNLMDMVHEHYSXDKGAICTKLVRPKRKGSTSAEELARAGWLMLOHLLTLGAQ 240
Db      181 DEAVFPCNLMDMVHEHYSXDKGAICTKLVRPKRKGSTSAEELARAGWLMLOHLLTLGAQ 240
Qy      241 IGGEFPGAVLQGEYVLCQKVAVKNIKCDVTAQAFIDETAVMTKMOHENIVRLIGVILHQGL 300
Db      241 IGGEFPGAVLQGEYVLCQKVAVKNIKCDVTAQAFIDETAVMTKMOHENIVRLIGVILHQGL 300
Qy      301 YIWEHVSXGNLVNPLRTGRALVNTAQLLOPSLHVAGMEYLESKCLVHRDLAARNILV 360
Db      301 YIWEHVSXGNLVNPLRTGRALVNTAQLLOPSLHVAGMEYLESKCLVHRDLAARNILV 360

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GenCore version 5.1.1.6
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OM protein - protein search, using sw model

Run on: May 19, 2004, 19:09:08 ; Search time 49 Seconds
(without alignments)
2879.154 Million cell updates/sec

Title: US-09-977-260-2
Perfect score: 2671
Sequence: 1 MAGRGLSVSWAFKGCDSAE.....PASVSGQDAGSTSPRSQEP 507

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1145568 seqs, 278261457 residues

Total number of hits satisfying chosen parameters: 1145568

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2671	100.0	507	9	US-09-977-269-2
2	2671	100.0	507	9	US-09-977-260-2
3	2671	100.0	507	10	US-09-977-261-2
4	2445	91.5	527	14	US-10-100-217-2
5	2422	90.7	553	14	US-10-103-380A-2
6	2012	75.3	386	14	US-10-187-900-4
7	2012	75.3	415	14	US-10-187-900-2
8	1245.5	46.6	450	9	US-09-977-269-7
9	1245.5	46.6	450	9	US-09-977-260-7
10	1245.5	46.6	450	10	US-09-977-261-7
11	1245.5	46.6	450	12	US-10-060-085-21
12	1245.5	46.6	450	14	US-10-059-585-42
13	1245.5	46.6	450	14	US-10-177-293-88
14	1245.5	46.6	450	14	US-10-298-377A-2
15	1245.5	46.6	450	33	US-10-116-275-121

16	1245.5	46.6	450	15	US-10-116-275-265
17	1245.5	46.6	450	15	US-10-394-322A-15
18	916	34.3	357	10	US-09-929-266-9
19	768	28.8	258	9	US-09-840-704-3
20	753	28.2	502	12	US-10-362-010-27
21	745	27.9	567	12	US-09-805-020-40
22	742.5	27.8	508	15	US-10-394-322A-41
23	742.5	27.8	509	9	US-09-977-269-18
24	742.5	27.8	509	9	US-09-977-260-18
25	742.5	27.8	509	10	US-09-977-261-18
26	742.5	27.8	509	14	US-10-212-346-1
27	742.5	27.8	509	15	US-10-366-288-28
28	733	27.4	533	12	US-10-276-633-1
29	727	27.2	535	15	US-10-394-322A-56
30	727	27.2	536	9	US-09-977-269-13
31	727	27.2	536	9	US-09-977-260-13
32	727	27.2	536	10	US-09-929-266-10
33	727	27.2	536	10	US-09-977-261-13
34	724.5	27.1	526	12	US-10-276-633-3
35	724.5	27.1	526	15	US-10-394-322A-31
36	720.5	27.0	505	9	US-09-977-269-17
37	720.5	27.0	505	9	US-09-977-260-17
38	720.5	27.0	505	10	US-09-977-261-17
39	720.5	27.0	505	15	US-10-153-720-2
40	716	26.8	505	10	US-09-976-782-84
41	716	26.8	533	12	US-10-276-633-2
42	710	26.6	543	9	US-09-977-269-14
43	710	26.6	543	9	US-09-977-260-14
44	710	26.6	543	10	US-09-977-261-14
45	710	26.6	543	14	US-10-298-377A-4

ALIGNMENTS

RESULT 1

US-09-977-269-2
; Sequence 2, Application US/09977269
; Patent No. US20020082037A1
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, AXEL
; APPLICANT: GISHIZKY, MIKHAIL
; APPLICANT: SURES, IRMINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1260
; CURRENT APPLICATION NUMBER: US/09/977/269
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 507
; TYPE: PRT
; ORGANISM: Unknown Organism
; FEATURES:
; OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte
; OTHER INFORMATION: kinase 1
US-09-977-269-2

Query Match	100.0%	Score 2671	DB 9	Length 507
Best Local Similarity	100.0%	Pred. No. 5.8e-209		
Matches 507	Conservative 0	Mismatches 0	Indels 0	Gaps 0
QY	1	MAGRGLSVSWAFKGCDSAEELPRVSPRFLRAWHPPVSAEMPTRRWAPGTQCITKCBHT	60	
DB	1	MAGRGLSVSWAFKGCDSAEELPRVSPRFLRAWHPPVSAEMPTRRWAPGTQCITKCBHT	60	
QY	61	RPKPGELAFKRGDVVTILEACENKSWYRVKHTSGQGLLAAGALRREALSADPKLSLM	120	
DB	61	RPKPGELAFKRGDVVTILEACENKSWYRVKHTSGQGLLAAGALRREALSADPKLSLM	120	
QY	221	PWFEGKLSGGFAVQQLQPPEDGI:FLVRESARHPGDYVLCVSGFRDVIHYRVLRDGHLLTI	180	

QY 361 SEDLVAKVSDPGLAKAERKGLDSSRLPVKWTAPBALXHGKFTSKSDVWSFGVLLWEVFSY 420
Db 361 SEDLVAKVSDPGLAKAERKGLDSSRLPVKWTAPBALXHGKFTSKSDVWSFGVLLWEVFSY 420
QY 421 GRAPYPRMSLKEVSEAEKGYRMEPPGCGPQVHVLMSWCWEAEPPARRPPFRKLAELKAR 480
Db 421 GRAPYPRMSLKEVSEAEKGYRMEPPGCGPQVHVLMSWCWEAEPPARRPPFRKLAELKAR 480
QY 481 ELSAGAPASVSGQDADGSTSPRSQEP 507
Db 481 ELSAGAPASVSGQDADGSTSPRSQEP 507

RESULT 4
US-10-100-217-2
; Sequence 2, Application US/10100217
; Publication No. US20030181404A1
; GENERAL INFORMATION:
; APPLICANT: Avraham, Hava
; APPLICANT: Groopman, Jerome E.
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT OF
; TITLE OF INVENTION: BREAST CANCER
; FILE REFERENCE: NEDH97-01PAZ
; CURRENT APPLICATION NUMBER: US/10/100,217
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/315,929
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 08/876,882
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/035,228
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-01-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 527
; TYPE: PR7
; ORGANISM: Homo sapiens
US-10-100-217-2

Query Match 91.5%; Score 2445; DB 14; Length 527;
Best Local Similarity 93.5%; Pred. No. 1.6e-190;
Matches 472; Conservative 1; Mismatches 8; Indels 14; Gaps 2;

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Db 1 MAGGSLVSWRAFHGCDASBELPRVSPRFLRAWHPPPVSAARMPTRRMAPGTQCTTKEHT 60
QY 61 RPKGELAFRKGVDVTTILEACENKSWYRVKHHTSQGGLAAGALRREALSADPKLSLM 120
Db 61 RPKGELAFRKGVDVTTILEACENKSWYRVKHHTSQGGLAAGALRREALSADPKLSLM 120
QY 121 PWFHGKISGQEAQQVQLQPPEDGLFLVRESARHPGDVLCVSGFRDVIHYRVLHRDGHITI 180
Db 121 PWFHGKISGQEAQQVQLQPPEDGLFLVRESARHPGDVLCVSGFRDVIHYRVLHRDGHITI 180
QY 181 DEAVFFCNLMQHEHNLVRLGVLHQLGLYIVMEHVSQKGNLVNPLRTRGRALVNTAQLLOFSL 240
Db 181 DEAVFFCNLMQHEHNLVRLGVLHQLGLYIVMEHVSQKGNLVNPLRTRGRALVNTAQLLOFSL 240
QY 241 IGESEFGAVLQGEYLGQKVAVKNIKCDVTAQAFIDETAVMTKMQHEHNLVRLGVLHQLGL 300
Db 241 IGESEFGAVLQGEYLGQKVAVKNIKCDVTAQAFIDETAVMTKMQHEHNLVRLGVLHQLGL 300
QY 301 YIVMEHVSQKGNLVNPLRTRGRALVNTAQLLOFSLHVAEGMEYLESKKLVHRDLAARNILV 360
Db 301 YIVMEHVSQKGNLVNPLRTRGRALVNTAQLLOFSLHVAEGMEYLESKKLVHRDLAARNILV 360
QY 361 SEDLVAKVSDPGLAKAERKGLDSSRLPVKWTAPBALXHGKFTSKSDVWSFGVLLWEVFSY 420
Db 361 SEDLVAKVSDPGLAKAERKGLDSSRLPVKWTAPBALXHGKFTSKSDVWSFGVLLWEVFSY 420
QY 421 GRAPYPRMSLKEVSEAEKGYRMEPPGCGPQVHVLMSWCWEAEPPARRPPFRKLAELKAR 480

Db 420 GRAPYPRMSLKEVSEAEKGYRMEPPGCGPQVHVLMSWCWEAEPPARRPPAGHP----- 469
QY 481 ELSAGAPASVSGQDADGSTSPRSQ 505
Db 470 ---SANNPRSMWPGSYAVQVPPPSQ 491

RESULT 5
US-10-103-380A-2
; Sequence 2, Application US/10103380A
; Publication No. US20030186242A1
; GENERAL INFORMATION:
; APPLICANT: Dai, Ken-Shuo
; TITLE OF INVENTION: HUMAN MEGAKARYOCYTE-ASSOCIATED TYROSINE KINASE (MAYK)-RELATED GE
; TITLE OF INVENTION: VARIANT ASSOCIATED WITH LUNG CANCERS
; FILE REFERENCE: U 013931-2
; CURRENT APPLICATION NUMBER: US/10/103,380A
; CURRENT FILING DATE: 2002-08-08
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 553
; TYPE: PR7
; ORGANISM: Homo sapiens
US-10-103-380A-2

Query Match 90.7%; Score 2422; DB 14; Length 553;
Best Local Similarity 88.9%; Pred. No. 1.3e-188;
Matches 472; Conservative 1; Mismatches 18; Indels 40; Gaps 3;

QY 1 MAGGSLVSWRAFHGCDASBELPRVSPRFLRAWHPPPVSAARMPTRRMAPGTQCTTKEHT 60
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QY 61 RPKGELAFRKGVDVTTILEACENKSWYRVKHHTSQGGLAAGALRREALSADPKLSLM 120
Db 61 RPKGELAFRKGVDVTTILEACENKSWYRVKHHTSQGGLAAGALRREALSADPKLSLM 120
QY 121 PWFHGKISGQEAQQVQLQPPEDGLFLVRESARHPGDVLCVSGFRDVIHYRVLHRDGHITI 180
Db 121 PWFHGKISGQEAQQVQLQPPEDGLFLVRESARHPGDVLCVSGFRDVIHYRVLHRDGHITI 180
QY 181 DEAVFFCNLMQHEHNLVRLGVLHQLGLYIVMEHVSQKGNLVNPLRTRGRALVNTAQLLOFSL 214
Db 181 DEAVFFCNLMQHEHNLVRLGVLHQLGLYIVMEHVSQKGNLVNPLRTRGRALVNTAQLLOFSL 214
QY 215 GTKSAEELARAGWLLNLQHLTLGAQIGEGEFGAVLQGEYLGQKVAVKNIKCDVTAQAFI 274
Db 241 GTKSAEELARAGWLLNLQHLTLGAQIGEGEFGAVLQGEYLGQKVAVKNIKCDVTAQAFI 300
QY 275 DETAVMTKMQHEHNLVRLGVLHQLGLYIVMEHVSQKGNLVNPLRTRGRALVNTAQLLOFSL 334
Db 301 DETAVMTKMQHEHNLVRLGVLHQLGLYIVMEHVSQKGNLVNPLRTRGRALVNTAQLLOFSL 360
QY 335 HVAEGMEYLESKKLVHRDLAARNILVSEDLVAKVSDPGLAKAERKGLDSSRLPVKWTAP 394
Db 361 HVAEGMEYLESKKLVHRDLAARNILVSEDLVAKVSDPGLAKAERKGLDSSRLPVKWTAP 420
QY 395 ALKEGKFTSKSDVWSFGVLLWEVFSYGRAPYPRMSLKEVSEAEKGYRMEPPGCGPQV 454
Db 421 ALKEGKFTSKSDVWSFGVLLWEVFSYGRAPYPRMSLKEVSEAEKGYRMEPPGCGPQV 479
QY 455 VLMSSCWEAEPPARRPPFRKLAELKARLRSAGAPASVSGQDADGSTSPRSQ 505
Db 480 VLMSSCWEAEPPARRPPFRKLAELKARLRSAGAPASVSGQDADGSTSPRSQ 517

RESULT 6
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; Sequence 4, Application US/10187900
; Publication No. US20030166221A1
; GENERAL INFORMATION:

; APPLICANT: BEASLEY, Ellen M. et al
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: CL001061
 ; CURRENT APPLICATION NUMBER: US/10/187,900
 ; CURRENT FILING DATE: 2002-07-03
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 4
 ; LENGTH: 386
 ; TYPE: PRT
 ; ORGANISM: Human
 US-10-187-900-4

Query Match 75.3%; Score 2012; DB 14; Length 386;
 Best Local Similarity 100.0%; Pred. No. 2e-155;
 Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 122 WFGKISQGEAVQQLQPPEDGLFLVRESARHPGDIYVLCVSGFGRDVIHYRVLRDGHLLTID 181
 DB 1 WFGKISQGEAVQQLQPPEDGLFLVRESARHPGDIYVLCVSGFGRDVIHYRVLRDGHLLTID 60
 QY 182 EAVFFCNLMDMVEHYSKDKGAICTKLVPRKRGHTKSAEELARAGWLLNLOHLLTGAQI 241
 DB 61 EAVFFCNLMDMVEHYSKDKGAICTKLVPRKRGHTKSAEELARAGWLLNLOHLLTGAQI 120
 QY 242 GEGEFAVLQGEYLQGVKAVKIKCDVTAAQAFDETAVMTKMOHENLVRLLGLVILHGGY 301
 DB 21 GEGEFAVLQGEYLQGVKAVKIKCDVTAAQAFDETAVMTKMOHENLVRLLGLVILHGGY 180
 QY 302 IYMEHVSNGNLVNFRTGRALVNTAQLQFSLFVAEGMEYLESKKLVHRDLAARNILVS 361
 DB 181 IYMEHVSNGNLVNFRTGRALVNTAQLQFSLFVAEGMEYLESKKLVHRDLAARNILVS 240
 QY 362 EDLVAKVSDPGLAKAEKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSYG 421
 DB 241 EDLVAKVSDPGLAKAEKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSYG 300
 QY 422 RAPIPKMSLKEVSEAVEKGYRMEPPGCGPVPVHLMSSCWEAEPPARRPPRKLAEKLARE 481
 DB 301 RAPIPKMSLKEVSEAVEKGYRMEPPGCGPVPVHLMSSCWEAEPPARRPPRKLAEKLARE 360
 QY 482 LRSAGAPASVSGQADGTSRPSQEP 507
 DB 361 LRSAGAPASVSGQADGTSRPSQEP 386

RESULT 7
 US-10-187-900-2
 ; Sequence 2, Application: US/10187900
 ; Publication No. US2003C166221A1
 ; GENERAL INFORMATION:
 ; APPLICANT: BEASLEY, Ellen M. et al
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: CL001061
 ; CURRENT APPLICATION NUMBER: US/10/187,900
 ; CURRENT FILING DATE: 2002-07-03
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 415
 ; TYPE: PRT
 ; ORGANISM: Human
 US-10-187-900-2

Query Match 75.3%; Score 2012; DB 14; Length 415;
 Best Local Similarity 100.0%; Pred. No. 2.2e-155;
 Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 122 WFGKISQGEAVQQLQPPEDGLFLVRESARHPGDIYVLCVSGFGRDVIHYRVLRDGHLLTID 181

DB 30 WFGKISQGEAVQQLQPPEDGLFLVRESARHPGDIYVLCVSGFGRDVIHYRVLRDGHLLTID 89
 QY 182 EAVFFCNLMDMVEHYSKDKGAICTKLVPRKRGHTKSAEELARAGWLLNLOHLLTGAQI 241
 DB 90 EAVFFCNLMDMVEHYSKDKGAICTKLVPRKRGHTKSAEELARAGWLLNLOHLLTGAQI 149
 QY 242 GEGEFAVLQGEYLQGVKAVKIKCDVTAAQAFDETAVMTKMOHENLVRLLGLVILHGGY 301
 DB 150 GEGEFAVLQGEYLQGVKAVKIKCDVTAAQAFDETAVMTKMOHENLVRLLGLVILHGGY 209
 QY 302 IYMEHVSNGNLVNFRTGRALVNTAQLQFSLFVAEGMEYLESKKLVHRDLAARNILVS 361
 DB 210 IYMEHVSNGNLVNFRTGRALVNTAQLQFSLFVAEGMEYLESKKLVHRDLAARNILVS 269
 QY 362 EDLVAKVSDPGLAKAEKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSYG 421
 DB 270 EDLVAKVSDPGLAKAEKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSYG 329
 QY 422 RAPIPKMSLKEVSEAVEKGYRMEPPGCGPVPVHLMSSCWEAEPPARRPPRKLAEKLARE 481
 DB 330 RAPIPKMSLKEVSEAVEKGYRMEPPGCGPVPVHLMSSCWEAEPPARRPPRKLAEKLARE 389
 QY 482 LRSAGAPASVSGQADGTSRPSQEP 507
 DB 390 LRSAGAPASVSGQADGTSRPSQEP 415

RESULT 8
 US-09-977-269-7
 ; Sequence 7, Application: US/09977269
 ; Patent No. US20020082037A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ULLRICH, AXEL
 ; APPLICANT: GISHIZKY, MIKHAIL
 ; APPLICANT: SURES, IRMINGARD
 ; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
 ; FILE REFERENCE: 038602/1260
 ; CURRENT APPLICATION NUMBER: US/09/977,269
 ; CURRENT FILING DATE: 2001-10-16
 ; PRIOR APPLICATION NUMBER: 08/232,545
 ; PRIOR FILING DATE: 1994-04-22
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: Patent in Ver. 2.1
 ; SEQ ID NO 7
 ; LENGTH: 450
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-977-269-7

Query Match 46.6%; Score 1245.5; DB 9; Length 450;
 Best Local Similarity 54.1%; Pred. No. 6.8e-93;
 Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;
 QY 47 WAPGTCTCTKCEHTRPKGSLAFKRGDVTITLFEACENKSWYRVKHTTSQGGLLAAGALR 106
 DB 8 WSGTECIAKYNPHGTABQDLFPCKGDVITIVAVTKDPNKKYKAKKV-GREGIIPANYVQ 66
 QY 107 EREALSADPKLSLMPWFHKGISQGEAVQQLQPPEDGLFLVRESARHPGDIYVLCVSGFGRDV 166
 DB 67 KRGGVKGATKLSLMPWFHKGITREQAERLLYPDETGLFLVRESNYPGDTTLCVSCDGKV 126
 QY 167 IHYRVLRDGHLLTIDAVFPKMLDMVEHYSKDKGAICTKLVPRKRGHTKSAEELARA 236
 DB 127 EHYRIMYHASKLSIDEEVFENLMQLVHEHYTSDADGLCTRLIKPKVNEGTVAAQDFYRS 186
 QY 227 GWLLNLOHLLTGAQIGEFGFAGVLQGEYLQGVKAVKIKCDVTAAQAFDETAVMTKMOHE 286
 DB 187 GWLLNLOHLLTGAQIGEFGFAGVLQGEYLQGVKAVKIKCDVTAAQAFDETAVMTKMOHE 246
 QY 287 NIWRLLEGLVILHQQ--GLYIYMEHVSNGNLVNFRTGRALVNTAQLQFSLFVAEGMEYLES 344
 DB 247 NIWRLLEGLVILHQQ--GLYIYMEHVSNGNLVNFRTGRALVNTAQLQFSLFVAEGMEYLES 306

Qy 345 SKLVHRDLAARNILVSDILVAKVSDPGLAKAERKGLDSSRLPVKWTAPALKEHGKFTSK 404
Db 307 GNNFVHRDLAARNILVSDILVAKVSDPGLAKAERKGLDSSRLPVKWTAPALKEHGKFTSK 366
Qy 405 SDVMSFVLLMEVFSYGRAPYPMKSLKVSBAVEKGYRVEPEGCPGVHVMSSCWAE 464
Db 367 SDVMSFVLLMEVFSYGRAPYPMKSLKVSBAVEKGYRVEPEGCPGVHVMSSCWAE 426
Qy 465 PARPPPRKLAEL 478
Db 427 AAMPSPFLQREQL 440

RESULT 9
US-09-977-260-7
; Sequence 7, Application US/09977260
; Publication No. US20020192790A1
; GENERAL INFORMATION:
; APPLICANT: JULLRICH, AXEL
; APPLICANT: SURES, IRMINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1260
; CURRENT APPLICATION NUMBER: US/09/977,260
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-977-260-7

Query Match 46.6%; Score 1245.5; DB 9; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.8e-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPGTQCITKCEHTRPKPGELAFKRGDVVVTILEACENKSWYRVKHTSGQGLLAAGLR 106
Db 8 WPSGTECIATKNYFHTGABQDLFPCKGDVLTIVAVTKDNWYKAKNV-GREGIIPANVQ 66
Qy 107 EREALSDPKLSLMPWPHGKISGQEAQQLOPPEDGLFLVRESAHPGDYVLCVSGRDV 166
Db 67 KREGVKAGTKLSLMPWPHGKITRQAEKLLYPPETGLFLVRESNYPGDYTLVCSCDKV 126
Qy 167 IHYRVLHRDGHLLTIDEAVFFCNLMVMVHYSKDKGAICTKLVRPKRKHGKTSABEELARA 226
Db 127 EHYRMVHASKLSIDEEVYFENLMQVHEHTSDADGLCTRLIKPKVMEGTVAADQEFYRS 186
Qy 227 GWLNLQHLTLGAQIGEGEFGAVLQGEYLGOKVAVNKKCDVTAQAFIDEAVMTKMOHE 286
Db 187 GWALNMKELKLLQITIGKEFGDVMGLDVRGNKVAVKCKINDATAQAFLAESVMTQLRHS 246
Qy 287 NLVLLGVILHQ--GLYIVMEHVSNGNLVNFELTRGRALVNTAQLQPSLHVAGMEYLE 344
Db 247 NLVQLLGVIVEEKGLYIVTEYMAKGSGLVLYRGRGRSVLGGDCLLKPSLDVCEAMEYLE 306
Qy 345 SKLVHRDLAARNILVSDILVAKVSDPGLAKAERKGLDSSRLPVKWTAPALKEHGKFTSK 404
Db 307 GNNFVHRDLAARNILVSDILVAKVSDPGLAKAERKGLDSSRLPVKWTAPALKEHGKFTSK 366
Qy 405 SDVMSFVLLMEVFSYGRAPYPMKSLKVSBAVEKGYRVEPEGCPGVHVMSSCWAE 464
Db 367 SDVMSFVLLMEVFSYGRAPYPMKSLKVSBAVEKGYRVEPEGCPGVHVMSSCWAE 426
Qy 465 PARPPPRKLAEL 478
Db 427 AAMPSPFLQREQL 440

RESULT 10
US-09-977-261-7
; Sequence 7, Application US/09977261
; Publication No. US20030054527A1
; GENERAL INFORMATION:
; APPLICANT: GISHIZKY, MIKHAIL
; APPLICANT: SURES, IRMINGARD
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1259
; CURRENT APPLICATION NUMBER: US/09/977,261
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-977-261-7

Query Match 45.6%; Score 1245.5; DB 10; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.8e-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPGTQCITKCEHTRPKPGELAFKRGDVVVTILEACENKSWYRVKHTSGQGLLAAGLR 106
Db 8 WPSGTECIATKNYFHTGABQDLFPCKGDVLTIVAVTKDNWYKAKNV-GREGIIPANVQ 66
Qy 107 EREALSDPKLSLMPWPHGKISGQEAQQLOPPEDGLFLVRESAHPGDYVLCVSGRDV 166
Db 67 KREGVKAGTKLSLMPWPHGKITRQAEKLLYPPETGLFLVRESNYPGDYTLVCSCDKV 126
Qy 167 IHYRVLHRDGHLLTIDEAVFFCNLMVMVHYSKDKGAICTKLVRPKRKHGKTSABEELARA 226
Db 127 EHYRMVHASKLSIDEEVYFENLMQVHEHTSDADGLCTRLIKPKVMEGTVAADQEFYRS 186
Qy 227 GWLNLQHLTLGAQIGEGEFGAVLQGEYLGOKVAVNKKCDVTAQAFIDEAVMTKMOHE 286
Db 187 GWALNMKELKLLQITIGKEFGDVMGLDVRGNKVAVKCKINDATAQAFLAESVMTQLRHS 246
Qy 287 NLVLLGVILHQ--GLYIVMEHVSNGNLVNFELTRGRALVNTAQLQPSLHVAGMEYLE 344
Db 247 NLVQLLGVIVEEKGLYIVTEYMAKGSGLVLYRGRGRSVLGGDCLLKPSLDVCEAMEYLE 306
Qy 345 SKLVHRDLAARNILVSDILVAKVSDPGLAKAERKGLDSSRLPVKWTAPALKEHGKFTSK 404
Db 307 GNNFVHRDLAARNILVSDILVAKVSDPGLAKAERKGLDSSRLPVKWTAPALKEHGKFTSK 366
Qy 405 SDVMSFVLLMEVFSYGRAPYPMKSLKVSBAVEKGYRVEPEGCPGVHVMSSCWAE 464
Db 367 SDVMSFVLLMEVFSYGRAPYPMKSLKVSBAVEKGYRVEPEGCPGVHVMSSCWAE 426
Qy 465 PARPPPRKLAEL 478
Db 427 AAMPSPFLQREQL 440

RESULT 11
US-10-060-065-21
; Sequence 21, Application US/10060065
; Publication No. US20030017480A1
; GENERAL INFORMATION:
; APPLICANT: Toshio Ota
; APPLICANT: Takao Isogai
; APPLICANT: Tetsuo Nishikawa
; APPLICANT: Koji Hayashi
; APPLICANT: Kaoru Otsuka
; APPLICANT: Jun-ichi Yamamoto
; APPLICANT: Shizuko Ishii
; APPLICANT: Tomoyasu Sugiyama
; APPLICANT: Ai Wakamatsu

```
; APPLICANT: Keiichi Nagai
; APPLICANT: Tetsuji Otsuki
; APPLICANT: Shin-Ichi Funahashi
; APPLICANT: Chiaki Senoo
; APPLICANT: Jun-Ichi Nezu
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-099002
; CURRENT APPLICATION NUMBER: US/10/060,065
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05061
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 2000-241899
; PRIOR FILING DATE: 2000-06-09
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 21
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-060-065-21
```

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Query Match 45.6%; Score 1245.5; D3 12; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.8e-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPGTQCTTCETKCEHTRPKPGELARFKGDVVTILEACENKSWYRVKHHTSGOGLLAAGALR 106
Db 8 WPSCTECIAKNFHTGTAQDLFPCKGDVLTIVATKDPNWKAKNKV-GREGIIPANVQ 66

Qy 107 EREALSADPKLSLMPWFHFKISGOEAVQOQPPEDGLFLVRESARHPGDYVLCVSFGKDV 166
Db 67 KREGVKAGTKLSLMPWFHFKITREQAERLLYPPETGLFLVRESINYPGDYTLVCSCDGK 126

Qy 167 IHYRVLRHDGHLTIDEAVFPCNLMDVMVHYSKDKGAICTKLVRPKRHGHTKSABEELARA 226
Db 127 EHYRIVXHASKLSIDEEVIFENLMQVHEHYTSDAGLCTRLIKPKVMEGTVAQAQDEFYRS 186

Qy 227 GWLLNLQHLTGAQTIGEFGFAGVLQGEYLQGVAVVNIKCDVTAQAFTDETAVMTKMGE 286
Db 187 GWALNMKELKLLQTIGKGFQDVMLGDYRGKNVAVKCIKNDATAQAFLAASVMTQLRHS 246

Qy 287 NLVRLGLVLHQ--GLYIVMEHVSNGNLVNFRLTRGRALVNTAQLLOFSLHVAEGMEYLE 344
Db 247 NLVQLLGVIVBEKGLLYVTETMAKGSILVDYLRSGRSLVGGDCCLLKXESLVCCEAMEYLE 306

Qy 345 SKKLVHRDLAARNILVSEDLVAKVSDPGLAKAERKGLDSSLPLVKWTAPALKHGKFTSK 404
Db 307 GNNFVHRDLAARNVLVSEDNVAKVSDPGLTKEASTQDTGKLPVKWTAPALKREKFTSK 366

Qy 405 SDVWSFGVLLWEVFSYGRAPYKMSLKEVSAVEKGYRMEPEPGPGFVHVLMSSCWBAE 464
Db 367 SDVWSFGVLLWEVFSYGRVPIPRIKDWVPRVEKGYKMDAPDGCPPAVIEVMKNCWILD 426

Qy 465 PARPPPPRKLAEKL 478
Db 427 AAVRPSFLQLRQQL 440
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RESULT 12
US-10-059-585-42
; Sequence 42, Application US/10059585
; Publication No. US2003008276A1
; GENERAL INFORMATION:
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```
; APPLICANT: Ota, Toshio
; APPLICANT: Isogai, Takao
; APPLICANT: Nishikawa, Tetsuo
; APPLICANT: Hayashi, Koji
; APPLICANT: Otsuka, Kaoru
; APPLICANT: Yamamoto, Jun-ichi
; APPLICANT: Iehii, Shizuko
; APPLICANT: Sugiyama, Tomoyasu
; APPLICANT: Wakamatsu, Ai
; APPLICANT: Nagai, Keiichi
; APPLICANT: Otsuki, Tetsuji
; APPLICANT: Funahashi, Shin-Ichi
; APPLICANT: Senoo, Chiaki
; APPLICANT: Nezu, Jun-Ichi
; TITLE OF INVENTION: NOVEL GENES ENCODING PROTEIN
; TITLE OF INVENTION: KINASE/PROTEIN PHOSPHATASE
; FILE REFERENCE: 06501-099001
; CURRENT APPLICATION NUMBER: US/10/059,585
; CURRENT FILING DATE: 2002-01-29
; PRIOR APPLICATION NUMBER: PCT/JP00/05060
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: US 60/183,322
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: US 60/159,590
; PRIOR FILING DATE: 1999-10-18
; PRIOR APPLICATION NUMBER: JP 2000-118776
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183767
; PRIOR FILING DATE: 2000-05-02
; PRIOR APPLICATION NUMBER: JP 11-248036
; PRIOR FILING DATE: 1999-07-29
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: PastSeq for Windows Version 4.0
; SEQ ID NO 42
; LENGTH: 450
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-059-585-42
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Query Match 46.6%; Score 1245.5; D3 14; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.8e-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPGTQCTTCETKCEHTRPKPGELARFKGDVVTILEACENKSWYRVKHHTSGOGLLAAGALR 106
Db 8 WPSCTECIAKNFHTGTAQDLFPCKGDVLTIVATKDPNWKAKNKV-GREGIIPANVQ 66

Qy 107 EREALSADPKLSLMPWFHFKISGOEAVQOQPPEDGLFLVRESARHPGDYVLCVSFGKDV 166
Db 67 KREGVKAGTKLSLMPWFHFKITREQAERLLYPPETGLFLVRESINYPGDYTLVCSCDGK 126

Qy 167 IHYRVLRHDGHLTIDEAVFPCNLMDVMVHYSKDKGAICTKLVRPKRHGHTKSABEELARA 226
Db 127 EHYRIVXHASKLSIDEEVIFENLMQVHEHYTSDAGLCTRLIKPKVMEGTVAQAQDEFYRS 186

Qy 227 GWLLNLQHLTGAQTIGEFGFAGVLQGEYLQGVAVVNIKCDVTAQAFTDETAVMTKMGE 286
Db 187 GWALNMKELKLLQTIGKGFQDVMLGDYRGKNVAVKCIKNDATAQAFLAASVMTQLRHS 246

Qy 287 NLVRLGLVLHQ--GLYIVMEHVSNGNLVNFRLTRGRALVNTAQLLOFSLHVAEGMEYLE 344
Db 247 NLVQLLGVIVBEKGLLYVTETMAKGSILVDYLRSGRSLVGGDCCLLKXESLVCCEAMEYLE 306

Qy 345 SKKLVHRDLAARNILVSEDLVAKVSDPGLAKAERKGLDSSLPLVKWTAPALKHGKFTSK 404
Db 307 GNNFVHRDLAARNVLVSEDNVAKVSDPGLTKEASTQDTGKLPVKWTAPALKREKFTSK 366

Qy 405 SDVWSFGVLLWEVFSYGRAPYKMSLKEVSAVEKGYRMEPEPGPGFVHVLMSSCWBAE 464
Db 367 SDVWSFGVLLWEVFSYGRVPIPRIKDWVPRVEKGYKMDAPDGCPPAVIEVMKNCWILD 426

Qy 465 PARPPPPRKLAEKL 478
Db 427 AAVRPSFLQLRQQL 440
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Db 427 AAMPSPFLQREQL 440

US-10-177-293-88

Sequence 88, Application US/10177293

Publication No. US20030124128A1

GENERAL INFORMATION:

APPLICANT: Lilie, James

APPLICANT: Glatt, Karen

APPLICANT: Zhao, Xue-ri

APPLICANT: Gannavarpu, Manjula

APPLICANT: Kamatkar, Shubhangi

APPLICANT: Mertens, Maureen

APPLICANT: Myer, Vic

APPLICANT: Wang, Youzhen

APPLICANT: Xu, Yongyao

APPLICANT: Hoersch, Sebastian

APPLICANT: Monahan, John

APPLICANT: Meyers, Rachel E.

APPLICANT: Bast Jr., Robert C.

APPLICANT: Hortobagyi, Gabriel N.

APPLICANT: Pusztai, Lajos

APPLICANT: Meric, Funda

APPLICANT: Shih, Aysegul

APPLICANT: Mills, Gordon B.

TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST CANCER

FILE REFERENCE: MRI-038

CURRENT APPLICATION NUMBER: US/10/177,293

CURRENT FILING DATE: 2002-06-21

PRIOR APPLICATION NUMBER: US 60/299,887

PRIOR FILING DATE: 2001-06-21

PRIOR APPLICATION NUMBER: US 60/301,572

PRIOR FILING DATE: 2001-06-27

PRIOR APPLICATION NUMBER: US 60/306,501

PRIOR FILING DATE: 2001-07-18

PRIOR APPLICATION NUMBER: US 60/325,002

PRIOR FILING DATE: 2001-09-25

PRIOR APPLICATION NUMBER: US 60/362,585

PRIOR FILING DATE: 2002-03-05

PRIOR APPLICATION NUMBER: US 60/xxx,xxx

PRIOR FILING DATE: 2002-05-14

NUMBER OF SEQ ID NOS: 506

SOFTWARE: Fast-Seq for Windows Version 4.0

SEQ ID NO 88

LENGTH: 450

TYPE: PRT

ORGANISM: Homo sapiens

US-10-177-293-88

Query Match 46.6%; Score 1245.5; DB 14; Length 450;

Best Local Similarity 54.1%; Pred. No. 6.8e-93;

Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPQTQICETRPXGELAFKGDVVTILEACENKSWYRVKHHYSGOGLLAAGALR 106

Db 8 WPSGTECIKYNFHGTAEQDLPPCKGDVLTIVATKDPNNYKAKNV-GREGIIPANYVQ 66

Qy 107 EREALSDPKLSMPWFHKGITSGQEAQQLOPPEDGFLVRESARHPDQVYLCVSFGRDV 166

Db 67 KREGVKAGTGLSLMPWFHKGITREQAERLLYPPTGFLVRESNTYFGDYTLVCSGDKV 126

Qy 167 IHVRLHRDGHITIDEAVFFCNLMDVMEHYSKDGAICTKLVPRKRGTKSAEELARA 226

Db 67 KREGVKAGTGLSLMPWFHKGITREQAERLLYPPTGFLVRESNTYFGDYTLVCSGDKV 126

Qy 167 IHVRLHRDGHITIDEAVFFCNLMDVMEHYSKDGAICTKLVPRKRGTKSAEELARA 226

Db 127 EHYRMVHASKLSIDEVYFENMLQVHEHYTSADGLCTRLIKKVMWEGTVAQADEFYRS 186

Qy 227 GWLNLQHLTLGAIGEGEFGCAVLQGEYLGQKVAVKNIKCDVTAQAFLEASVMTQLRHS 246

Db 127 EHYRMVHASKLSIDEVYFENMLQVHEHYTSADGLCTRLIKKVMWEGTVAQADEFYRS 186

Qy 227 GWLNLQHLTLGAIGEGEFGCAVLQGEYLGQKVAVKNIKCDVTAQAFLEASVMTQLRHS 246

Db 187 GWALNMKELKLLQIGKGEFGDVMGLDYRGKNVAVKCIKNDATAQAFLEASVMTQLRHS 246

Qy 287 NLYVLLGVILHQ--GLYIVMEHVSIGNLVNPLRTGREALVNTAQLLOPSLHVAECMEYLE 344

Db 187 GWALNMKELKLLQIGKGEFGDVMGLDYRGKNVAVKCIKNDATAQAFLEASVMTQLRHS 246

Qy 287 NLYVLLGVILHQ--GLYIVMEHVSIGNLVNPLRTGREALVNTAQLLOPSLHVAECMEYLE 344

Db 247 NLVOLLGVIIEBKGLIIVTVYAKGSLVDYLSRGRSVLGGDCLLKFSLDVCEAMEYLE 306

Qy 345 SKKLVRHDLAARNILVSEDLVAKVSDFLAKAKERGLDSSRLPVKWTAPALKHKGFTSK 404

Db 307 GNNFVHEDLAARNVLVSEDNVAKVSDFLGKTKASSTQDTGKLPVKWTAPEALREKKTSTK 366

Qy 405 SDVMSFGVTLWEVPSYGRAPYPMKSLKEVSEAVKGYRMEBPPEGCPGVHVMSSCHAE 464

Db 367 SDVMSFGILLWEIYSFGVPPRIPLKDDVVRVEKGYKMDAPDGGCPFAVYEVNKNCMELD 426

Qy 465 PARRPPPKLAELK 478

Db 427 AAMPSPFLQREQL 440

RESULT 14

US-10-298-377A-2

Sequence 2, Application US/10298377A

Publication No. US20030130209A1

GENERAL INFORMATION:

APPLICANT: The Scripps Research Institute

APPLICANT: Cheresch, David A.

APPLICANT: Paul, Robert

APPLICANT: Eliceiri, Brian

TITLE OF INVENTION: Method of Treatment of Myocardial

TITLE OF INVENTION: Infarction

FILE REFERENCE: TSRI-651.5

CURRENT APPLICATION NUMBER: US/10/298,377A

CURRENT FILING DATE: 2002-11-18

PRIOR APPLICATION NUMBER: 10/298,377

PRIOR FILING DATE: 2002-11-18

PRIOR APPLICATION NUMBER: 05/470,881

PRIOR FILING DATE: 1999-12-22

PRIOR APPLICATION NUMBER: 05/538,248

PRIOR FILING DATE: 2000-03-29

PRIOR APPLICATION NUMBER: PCT/US99/11780

PRIOR FILING DATE: 1999-05-28

PRIOR APPLICATION NUMBER: 60/087,220

PRIOR FILING DATE: 1998-05-23

NUMBER OF SEQ ID NOS: 4

SOFTWARE: Fast-Seq for Windows Version 4.0

SEQ ID NO 2

LENGTH: 450

TYPE: PRT

ORGANISM: homo sapiens

US-10-298-377A-2

Query Match 46.6%; Score 1245.5; DB 14; Length 450;

Best Local Similarity 54.1%; Pred. No. 6.8e-93;

Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

Qy 47 WAPQTQICETRPXGELAFKGDVVTILEACENKSWYRVKHHYSGOGLLAAGALR 106

Db 8 WPSGTECIKYNFHGTAEQDLPPCKGDVLTIVATKDPNNYKAKNV-GREGIIPANYVQ 66

Qy 107 EREALSDPKLSMPWFHKGITSGQEAQQLOPPEDGFLVRESARHPDQVYLCVSFGRDV 166

Db 67 KREGVKAGTGLSLMPWFHKGITREQAERLLYPPTGFLVRESNTYFGDYTLVCSGDKV 126

Qy 167 IHVRLHRDGHITIDEAVFFCNLMDVMEHYSKDGAICTKLVPRKRGTKSAEELARA 226

Db 127 EHYRMVHASKLSIDEVYFENMLQVHEHYTSADGLCTRLIKKVMWEGTVAQADEFYRS 186

Qy 227 GWLNLQHLTLGAIGEGEFGCAVLQGEYLGQKVAVKNIKCDVTAQAFLEASVMTQLRHS 246

Db 187 GWALNMKELKLLQIGKGEFGDVMGLDYRGKNVAVKCIKNDATAQAFLEASVMTQLRHS 246

Qy 287 NLYVLLGVILHQ--GLYIVMEHVSIGNLVNPLRTGREALVNTAQLLOPSLHVAECMEYLE 344

Db 247 NLVOLLGVIIEBKGLIIVTVYAKGSLVDYLSRGRSVLGGDCLLKFSLDVCEAMEYLE 306

Qy 345 SKKLVRHDLAARNILVSEDLVAKVSDFLAKAKERGLDSSRLPVKWTAPALKHKGFTSK 404

Job time : 50 secs

Db 307 GNTFVHRDLAARNVLVSEDNNAKUSDFGLTKEASSTODTGKLPVKWTAPALREKKFSTK 366
Qy 405 SDVMSFGVLLWEVFSYGRAPYKVSLESEAVEKGYRMEPPGCGPGVHVLMSSCWAE 464
Db 367 SDVMSFGVLLWEVFSYGRVDPRIPLKDVVPRVEKGYKMDADPGCPDPAVVEVMKNCWHL 426
Qy 465 PARPPFRKLAEL 478
Db 427 AAMRPSFLQREQL 440

RESULT 15
US-10-116-275-121
; Sequence 121, Application US/10116275
; Publication No. US20030211476A1
; GENERAL INFORMATION:
; APPLICANT: Elan Pharmaceutical Technology
; APPLICANT: O'Mahony, Daniel J.
; APPLICANT: Brayden, David
; APPLICANT: Byrne, Daragh
; APPLICANT: Lambkin, Imelda
; APPLICANT: Higgins, Lisa
; TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
; TITLE OF INVENTION: Compositions Targeting Peyer's Patches and M Cell Receptors
; FILE REFERENCE: E1067/20087
; CURRENT APPLICATION NUMBER: US/10/116,275
; CURRENT FILING DATE: 2002-10-04
; NUMBER OF SEQ ID NOS: 349
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 121
; LENGTH: 450
; TYPE: PAT
; ORGANISM: Homo sapiens
US-10-116-275-121

Query Match 46.6%; Score 1245.5; DB 15; Length 450;
Best Local Similarity 54.1%; Pred No. 6.8e-93;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;
Qy 47 WAPGTQCITKCEHTRPKPELAFKRGDVVITILEACENKSWYRVKHTSGQBGJLAAGALR 106
Db 8 WPSGTECIAKYNFHTAQBDLPFCCKGDVITVAVTKDNNYKAKNKV-CREGIIPANTVQ 66
Qy 107 EREALSADPKLSLWPFCK-SGQZAVOQLQPPEDGLFVRESARHPGDYVLCVSFGRDV 166
Db 67 KREGVKAGTKLSLWPFCKITREQARLLYPPTGLFLVRESNYPGDYTLVCVSCDGKV 126
Qy 167 IHYRVLHEDGHLTIDEAVFFCNLMDMVEHYSKDKGAICTKLVPRKPKKHGKTSAAEELARA 226
Db 127 EHYRIMYHASKLSIDSEVYFENLQVLEHYTSDADGLCTRLLKPKVMGTVAAQDEFYRS 186
Qy 227 GWLNLQHLTLCAQIGEGEFGAVLQGEVILGQVAVVNTKCDVTAQAFLDPAVMTMQHE 286
Db 187 GWALNKKELKLTQTKGKEFGDVMGLGYRGNVAVKCIKNDATAQAFLEASVMTQLRHS 246
Qy 287 NLVRLGLVTLHQ--GLYIVMHSVKNVNFRTGRALVNTAQLLOPSLHVAGMEYLE 344
Db 247 NLVQLGLVIVEKGGIYVTEYNAGSLVDYIRSRGRSVLGGDCLLKFSLDVCEAMEYLE 306
Qy 345 SKKLVRDLAARNILVSEDLNAKVSDFGLAKAERKGLDSSRLPVKWTAPALREKKFSTK 404
Db 307 GNTFVHRDLAARNVLVSEDNNAKUSDFGLTKEASSTODTGKLPVKWTAPALREKKFSTK 366
Qy 405 SDVMSFGVLLWEVFSYGRAPYKVSLESEAVEKGYRMEPPGCGPGVHVLMSSCWAE 464
Db 367 SDVMSFGVLLWEVFSYGRVDPRIPLKDVVPRVEKGYKMDADPGCPDPAVVEVMKNCWHL 426
Qy 465 PARPPFRKLAEL 478
Db 427 AAMRPSFLQREQL 440

Search completed: May 19, 2004, 19:15:13

; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 2000
 ; TYPE: DNA
 ; ORGANISM: Unknown Organism
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (258)..(1778)
 ; FEATURE:
 ; OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte
 ; OTHER INFORMATION: Kinase 1
 ;
 ; US-09-977-260-1

Query Match 100.0%; Score 2000; DB 9; Length 2000;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	CTCGCTCCAAAGTTGTGAGCGCGGACCCCTTCGGGTGTGACGCGCGGTGCGGAGGCC	60
DB	1	CTCGCTCCAAAGTTGTGAGCGCGGACCCCTTCGGGTGTGACGCGCGGTGCGGAGGCC	60
QY	61	TCCTGGGGGGCGGGGGCGGCTCGGGGGCGCCCTGAGCGAGAAACAGGAGAAC	120
DB	61	TCCTGGGGGGCGGGGGCGGCTCGGGGGCGCCCTGAGCGAGAAACAGGAGAAC	120
QY	121	AGGTCGGTTCAGTGGGACCCAGCTCCCTACTCTGTGCCAGCGCGCTGSCCTGTGCA	180
DB	121	AGGTCGGTTCAGTGGGACCCAGCTCCCTACTCTGTGCCAGCGCGCTGSCCTGTGCA	180
QY	181	GGCCATTTCACAGCGTCCCGAGTGTGACCACTTGTCTCACTGTGCTCTCACTGCTCAG	240
DB	181	GGCCATTTCACAGCGTCCCGAGTGTGACCACTTGTCTCACTGTGCTCTCACTGCTCAG	240
QY	241	TTTCCCTCTGGGGGGCGATGCGGGGGGAGGCTCTCTGGTTTCTTGGCGGCAATTTCAG	300
DB	241	TTTCCCTCTGGGGGGCGATGCGGGGGGAGGCTCTCTGGTTTCTTGGCGGCAATTTCAG	300
QY	301	GCTGTGATCTCTCAGAGAACTTCCCGGGGTGAGCCCGCGCTTCTCCGAGCCTGGCAC	360
DB	301	GCTGTGATCTCTCAGAGAACTTCCCGGGGTGAGCCCGCGCTTCTCCGAGCCTGGCAC	360
QY	361	CCCTTCCCGTCTCAGCGAGATGCCAACAGAGCGTGGGCGCCCGGCGACCCAGTATCA	420
DB	361	CCCTTCCCGTCTCAGCGAGATGCCAACAGAGCGTGGGCGCCCGGCGACCCAGTATCA	420
QY	421	CCAAATGCGAGCACCCCGCCCAAGCGAGGAGTGGGCGCCCGGCGACCCAGTATCA	480
DB	421	CCAAATGCGAGCACCCCGCCCAAGCGAGGAGTGGGCGCCCGGCGACCCAGTATCA	480
QY	481	TCACCATCTGAGGCGCTCGAGAACAGAGCTGGTACCGCGTCAAGCACACCAAGTG	540
DB	481	TCACCATCTGAGGCGCTCGAGAACAGAGCTGGTACCGCGTCAAGCACACCAAGTG	540
QY	541	GCACGAGGGGTGTCTGGAGCTGGGCGCTCGGAGCGGAGGCGCTCTCGCGAGCC	600
DB	541	GCACGAGGGGTGTCTGGAGCTGGGCGCTCGGAGCGGAGGCGCTCTCGCGAGCC	600
QY	601	CCAAATGCGAGCACCCCGCCCAAGCGAGGAGTGGGCGCCCGGCGACCCAGTATCA	660
DB	601	CCAAATGCGAGCACCCCGCCCAAGCGAGGAGTGGGCGCCCGGCGACCCAGTATCA	660
QY	661	AGTGTGAGCTCTCCGAGGATGGGCTGTCTGTGTGGGAGTCCGGCGCGACCCCGGG	720
DB	661	AGTGTGAGCTCTCCGAGGATGGGCTGTCTGTGTGGGAGTCCGGCGCGACCCCGGG	720
QY	721	ACTACGTCCTGTGGTGTGCTTTGGCGCGACCTCATCCACTACCGGCTCTGTGACCGCG	780
DB	721	ACTACGTCCTGTGGTGTGCTTTGGCGCGACCTCATCCACTACCGGCTCTGTGACCGCG	780
QY	781	ACGGCCACCTCACAAATGATGAGCGCGTGTCTTCTGCAACCTCATGGACATGGTGGAG	840
DB	781	ACGGCCACCTCACAAATGATGAGCGCGTGTCTTCTGCAACCTCATGGACATGGTGGAG	840

QY	841	ATTACGCAAGGACCAAGGGCGCTATCTGCACCAAGTGGTGTGAGCAACCAAGCGGAAACG	900
DB	841	ATTACGCAAGGACCAAGGGCGCTATCTGCACCAAGTGGTGTGAGCAACCAAGCGGAAACG	900
QY	901	GGACCAAGTCGGCCGAGGAGGAGCTGGCCAGAGCGGGCTGGTTACTGAACCTGAGCAATT	960
DB	901	GGACCAAGTCGGCCGAGGAGGAGCTGGCCAGAGCGGGCTGGTTACTGAACCTGAGCAATT	960
QY	961	TGACATTGGGAGCACAGATCGGAGAGGAGAGTTGGAGCTGTCCCTGACGGTGTGATACC	1020
DB	961	TGACATTGGGAGCACAGATCGGAGAGGAGAGTTGGAGCTGTCCCTGACGGTGTGATACC	1020
QY	1021	TGGGCGAAAGAGTGGCGGTGAGAAATATCAAGTGTGATGTGACAGCCAGGCGCTTCTGG	1080
DB	1021	TGGGCGAAAGAGTGGCGGTGAGAAATATCAAGTGTGATGTGACAGCCAGGCGCTTCTGG	1080
QY	1081	ACCAGACCGCGCTCATGACGAAGATGCAACAGAAACCTGGTGTGCTCTCTGGGGGTGA	1140
DB	1081	ACCAGACCGCGCTCATGACGAAGATGCAACAGAAACCTGGTGTGCTCTCTGGGGGTGA	1140
QY	1141	TCCTGCAACAGGGGCTGTATTTGTGTATGAGACAGTGTGAGCAAGGCAACCTGTGTAAT	1200
DB	1141	TCCTGCAACAGGGGCTGTATTTGTGTATGAGACAGTGTGAGCAAGGCAACCTGTGTAAT	1200
QY	1201	TTCTGCGGACCCGGGTGCGAGCCCTCTGTGAACACCGCTCAGCTCTCTGAGTTTCTCTGC	1260
DB	1201	TTCTGCGGACCCGGGTGCGAGCCCTCTGTGTGAACACCGCTCAGCTCTCTGAGTTTCTCTGC	1260
QY	1261	ACGTGGCGAGGGCATGGAGTACCTGGAGACAAAGAACTTGTGTACCGGACCTGGGCG	1320
DB	1261	ACGTGGCGAGGGCATGGAGTACCTGGAGACAAAGAACTTGTGTACCGGACCTGGGCG	1320
QY	1321	CCCGCAACATCTCTGTCTCAGAGGACCTGTGGGCAAGGTCAGGACCTTGGCTTGGCA	1380
DB	1321	CCCGCAACATCTCTGTCTCAGAGGACCTGTGGGCAAGGTCAGGACCTTGGCTTGGCA	1380
QY	1381	AAGCGGCGGAAAGGGGTAGACTCAACCGCGCTGCCCTCAAGTGTGAGCGGCGCCGAG	1440
DB	1381	AAGCGGCGGAAAGGGGTAGACTCAACCGCGCTGCCCTCAAGTGTGAGCGGCGCCGAG	1440
QY	1441	CTCTCAACACGGGAAAGTTTCCAGCAAGTGGATGTCTGGAGTTTGGGGTGTCTCT	1500
DB	1441	CTCTCAACACGGGAAAGTTTCCAGCAAGTGGATGTCTGGAGTTTGGGGTGTCTCTCT	1500
QY	1501	GGAGGTCTTCTATATGAGCGGGTCCGTACCTTAAATGTCACTGAAAGAGTGTCTCG	1560
DB	1501	GGAGGTCTTCTATATGAGCGGGTCCGTACCTTAAATGTCACTGAAAGAGTGTCTCG	1560
QY	1561	AGGCGGTGGAGAGGGGTACCGCATGGAAACCCCGAGGGCTGTCCAGGCGCCGTCACG	1620
DB	1561	AGGCGGTGGAGAGGGGTACCGCATGGAAACCCCGAGGGCTGTCCAGGCGCCGTCACG	1620
QY	1621	TCCTCATGAGCAGTGTCTGGAGGAGAGCCCGCGCGCGCGCCGCGGCACTCTTCCGAACTCG	1680
DB	1621	TCCTCATGAGCAGTGTCTGGAGGAGAGCCCGCGCGCGCGCCGCGGCACTCTTCCGAACTCG	1680
QY	1681	CCGAGAGTGTGCGGGAGCTACCGAGTGTGAGGTCGCCCGCGCGCGCGCGCGCGCT	1740
DB	1681	CCGAGAGTGTGCGGGAGCTACCGAGTGTGAGGTCGCCCGCGCGCGCGCGCGCGCT	1740
QY	1741	AGGCGGAGGCTCCACCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT	1800
DB	1741	AGGCGGAGGCTCCACCTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCT	1800
QY	1801	TGGGCGGAGGAGGAGAGTGTGAGAGTGTGGGCGGAGTGTGAGGAGGAGGAGGAGGAGG	1860
DB	1801	TGGGCGGAGGAGGAGAGTGTGAGAGTGTGGGCGGAGTGTGAGGAGGAGGAGGAGGAGG	1860
QY	1861	AGGCTCCAGCGGCGGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGG	1920
DB	1861	AGGCTCCAGCGGCGGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGG	1920

QY 1921 GGCTCTGGCGGCGCTGGACACCCAGACCTTGGGAAGATGATCCGCCGATAAAGACGG 1980
Db 1921 GGCTCTGGCGGCGCTGGACACCCAGACCTTGGGAAGATGATCCGCCGATAAAGACGG 1980
QY 1981 ATTCTAAGGACTCTAAAAA 2000
Db 1981 ATTCTAAGGACTCTAAAAA 2000

RESULT 3

US-09-977-261-1
; Sequence 1, Application US/09977261
; Publication No. US2003005452/A1
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, AXEL
; APPLICANT: GISHIZKY, MIKHAIL
; APPLICANT: SURES, IRMINGARD
; TITLE OF INVENTION: NOVEL REGAKARYOCYTIC PROTEIN TYROSINE KINASES
; FILE REFERENCE: 038602/1259
; CURRENT APPLICATION NUMBER: US/09/977,261
; CURRENT FILING DATE: 2001-10-16
; PRIOR APPLICATION NUMBER: 08/232,545
; PRIOR FILING DATE: 1994-04-22
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Unknown Organism
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (258)..(1778)
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: Megakaryocyte
; OTHER INFORMATION: kinase 1
; US-09-977-261-1

Query Match 100.0%; Score 2000; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CTCGCTCGAGTTGTGACCGGACCGCTTCGGGGTGTGACCGCGCTCGCGAGGCC 60
Db 1 CTCGCTCGAGTTGTGACCGGACCGCTTCGGGGTGTGACCGCGCTCGCGAGGCC 60
QY 61 TCCCTGCGGCGGCGCGGGCGGCTTCGGGGCGGCCCTGAGCAGAAAAACAGGAAGAAC 120
Db 61 TCCCTGCGGCGGCGCGGGCGGCTTCGGGGCGGCCCTGAGCAGAAAAACAGGAAGAAC 120
QY 121 AGGCTCGGTCCAGTGGCACCCAGTTCCTACTCTGTGCGAGCGCGCTGSCCTGTGGCA 180
Db 121 AGGCTCGGTCCAGTGGCACCCAGTTCCTACTCTGTGCGAGCGCGCTGSCCTGTGGCA 180
QY 181 GGCCATTCGACGTCGCCGACTGACACTTGTCTAGTGTGCTCTCACTCTGCTCAG 240
Db 181 GGCCATTCGACGTCGCCGACTGACACTTGTCTAGTGTGCTCTCACTCTGCTCAG 240
QY 241 TTTCCTCTGGGGCGGATGGCGGGCGAGGCTCTCTGTTTCTCTGGCGGGCAATTACG 300
Db 241 TTTCCTCTGGGGCGGATGGCGGGCGAGGCTCTCTGTTTCTCTGGCGGGCAATTACG 300
QY 301 GCTGTGATTCTCTGAGGAACCTTCCCGGGTGTAGCCCGCGCTTCTCTCGAGCTGGCAC 360
Db 301 GCTGTGATTCTCTGAGGAACCTTCCCGGGTGTAGCCCGCGCTTCTCTCGAGCTGGCAC 360
QY 361 CCCCTCCCGTCTCAGCAGAGATGCCAACAGCGCGTGGCCCCCGGACCCAGTCTATCA 420
Db 361 CCCCTCCCGTCTCAGCAGAGATGCCAACAGCGCGTGGCCCCCGGACCCAGTCTATCA 420
QY 421 CCAATATGGACACACCCCGCCCAAGCCAGGGAGCTGGCCCTTCCCGCAAGGCGACGTGG 480
Db 421 CCAATATGGACACACCCCGCCCAAGCCAGGGAGCTGGCCCTTCCCGCAAGGCGACGTGG 480

QY 481 TCACCATCTGTGAGCGCTCGGAGAACAAAGAGCTGTGTACCGCTCAAGCACCAACACAGTC 540
Db 481 TCACCATCTGTGAGCGCTCGGAGAACAAAGAGCTGTGTACCGCTCAAGCACCAACACAGTC 540
QY 541 GACAGAGGGGCTGTGTGGCAGCTGGGGCGCTCGGAGCGGGAGGCGCTTCTCGGAGACC 600
Db 541 GACAGAGGGGCTGTGTGGCAGCTGGGGCGCTCGGAGCGGGAGGCGCTTCTCGGAGACC 600
QY 601 CCAAGCTCAGCCTCATGCCGTGGTTCACGGAAGATCTCGGGCCAGGAGGCTGTCCAGC 660
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Db 661 AGTTCAGCCTCCGAGGATGGCTGTCTCTGTGGGAGTCCGCGCGCCACCCCGGG 720
QY 721 ACTACCTCTGTGCGTGAAGTTCGGCGGAGCGTCTTCCACTACCGGCTGTCTCAGCGG 780
Db 721 ACTACCTCTGTGCGTGAAGTTCGGCGGAGCGTCTTCCACTACCGGCTGTCTCAGCGG 780
QY 781 AGGCCACCTCACAATCGATGAGCGCGTGTCTCTGCAACCTCATGGACATGTGGAGC 840
Db 781 AGGCCACCTCACAATCGATGAGCGCGTGTCTCTGCAACCTCATGGACATGTGGAGC 840
QY 841 ATTACAGCAAGAACAAAGGCGCTATCTGCAACGAGTGTGTGACCAACAAACGGAAAC 900
Db 841 ATTACAGCAAGAACAAAGGCGCTATCTGCAACGAGTGTGTGACCAACAAACGGAAAC 900
QY 901 GGACCAAGTCCGCGGAGGAGGAGCTGCGCAGGCGGGCTGTGTTACTGAACCTCAGCAT 960
Db 901 GGACCAAGTCCGCGGAGGAGGAGCTGCGCAGGCGGGCTGTGTTACTGAACCTCAGCAT 960
QY 961 TGACATGGAGSACAGATCGGAGAGGAGTTCGAGCTGTCTGACGGTGTGATACC 1020
Db 961 TGACATGGAGSACAGATCGGAGAGGAGTTCGAGCTGTCTGACGGTGTGATACC 1020
QY 1021 TGGGGCAAAAGTGGCGGTGAAGATATCAAGTGTGTATGTGACAGCCAGCGCTTCTG 1080
Db 1021 TGGGGCAAAAGTGGCGGTGAAGATATCAAGTGTGTATGTGACAGCCAGCGCTTCTG 1080
QY 1081 ACAGAGCGGCGCTCATGACGAAATGCAACAGAGACCTGTGCGTCTCTGGCGGTGA 1140
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QY 1141 TCTGTACACAGSGGCTGTATCTGTATGAGCAGCTGTGAGCAAGGGCAACCTGTGTA 1200
Db 1141 TCTGTACACAGSGGCTGTATCTGTATGAGCAGCTGTGAGCAAGGGCAACCTGTGTA 1200
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QY 1261 AGTTCGCGGAGGAGTGTGAGTACCTGTGAGAGCAAGAGCTGTGACCGGACCTGGCG 1320
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QY 1321 CCGGCAACATCTGTGTCTGAGGACCTGTGCGCAAGAGTGTGAGCACTTTGGCTGTG 1380
Db 1321 CCGGCAACATCTGTGTCTGAGGACCTGTGCGCAAGAGTGTGAGCACTTTGGCTGTG 1380
QY 1381 AAGCCGAGCGGAAGGGGCTAGACTTCAACCCGGGTGCCCGTCAAGTGAAGCGCGCGAG 1440
Db 1381 AAGCCGAGCGGAAGGGGCTAGACTTCAACCCGGGTGCCCGTCAAGTGAAGCGCGCGAG 1440
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QY 1501 GGGAGGCTTCTCATATGAGCGGCTCCGTACCCCTAAAACTCTCACTGAAAGAGTGTG 1560
Db 1501 GGGAGGCTTCTCATATGAGCGGCTCCGTACCCCTAAAACTCTCACTGAAAGAGTGTG 1560
QY 1561 AGGCCGTGGAAGAGGGGTACCGCATGGAAACCCCGGAGGGGCTGTCCAGGCCCGTGCAC 1620


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QY 1259 GCACGTGCGCAGGCGATGAGTACCTGAGAGCAAGAGCTTGTGCAACCGAGCTGGC 1318
Db 1260 GCACTGTGCGCGGCGCATGAGTACCTTGAGAGCAGAGCTTGTGCAACCGAGCTGGC 1319
QY 1319 GCGCGCAACATPCTTGGTCTCAGAGGACTGTGGTCCCAAGTCAAGCTTTGGCTGGC 1378
Db 1320 GCGCGCAACATPCTTGGTCTCAGAGGACTGTGGTCCCAAGTCAAGCTTTGGCTGGC 1379
QY 1379 CAAGCGCAGCGAGGAGGCTAGACTCAAGCGGCTGCCCGTCAAGTGGAGCGAGCGCCGGA 1438
Db 1380 CAAGCGCAGCGAGGAGGCTAGACTCAAGCGGCTGCCCGTCAAGTGGAGCGAGCGCCGGA 1439
QY 1439 GCGTCTCAAAACACGGGAAGTTCAACAGCAAGTCTGAGTCTGAGATTTTGGGGTCTGCT 1498
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QY 1499 GTGGAGGTCTTCTCATATPGBACGGCTCCGTACCTTAAATGTCACTGAAGAGGTGTC 1558
Db 1500 GTGGAGGTCTTCTCATATPGBACGGCTCCGTACCTTAAATGTCACTGAAGAGGTGTC 1559
QY 1559 GGAGCGCGTGGAGAGGGGTACCGCATGGAACCCCGGAGGGCTGTCCAGGGCCCGTGA 1618
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QY 1619 CGTCTCTATGACAGCTGTGCGAGGACAGCCCGCCGCGCCACCTTCCGCAAACT 1678
Db 1620 CGTCTCTATGACAGCTGTGCGAGGACAGAG-CGCGCCCGCGCCACCTTCCGCAAACT 1678
QY 1679 GCGCGAGAGCTGGCCCGGAGCTAGCAGTCAAGTCCAGTCCAGCTCCGTCTCAGGGA 1738
Db 1679 GCGCGAGAGCTGGCCCGGAGCTAGCAGTCAAGTCCAGTCCAGCTCCGTCTCAGGGA 1738
QY 1739 GGAAGCGGAGCTCCACTCCCGCGAGAGCGAGCGCTGACCCCGCGGTG-GG3C 1797
Db 1739 GGAAGCGGAGCTCCACTCCCGCGAGAGCGAGCGCTGACCCCGCGGTG-GG3C 1797
QY 1798 CTTTGGCCCGCAGAGGACCGAGAGTGGAGTGGCGGTGGGGGCACTGACCAAGCCCA 1857
Db 1798 CTTTGGCCCGCAGAGGACCGAGAGTGGAGTGGCGGTGGGGGCACTGACCAAGCCCA 1857
QY 1858 AGAGGCTCCAGCGGGGCAAGTCACTCTCTGTTGCCACAGAGGGGTGGCCACAGTA 1917
Db 1858 AGAGGCTCCAGCGGGGCAAGTCACTCTCTGTTGCCACAGAGGGGTGGCCACAGTA 1917
QY 1918 GGGGCTCTGGCGGCGCGTGGACACCCAGACCTTCCAGAGGATGATCCCGCATAAAGA 1977
Db 1918 GGGGCTCTGGCGGCGCGTGGACACCCAGACCTTCCAGAGGATGATCCCGCATAAAGA 1977
QY 1978 CGATTCTAAG 1989
Db 1978 CGATTCTAAG 1989
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RESULT 5
US-10-100-217-1
; Sequence 1, Application US/10100217
; Publication No. US20030181404A1
; GENERAL INFORMATION:
; APPLICANT: Avraham, Hava
; APPLICANT: Groopman, Jerome E.
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT OF
; TITLE OF INVENTION: BREAST CANCER
; FILE REFERENCE: NEB97-01PMZ
; CURRENT APPLICATION NUMBER: US/10/100, 217
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/315,928
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 08/876,882
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/035,228
; PRIOR FILING DATE: EARLIER FILING DATE: 1997-01-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 1
; LENGTH: 1987
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (263)...(1846)
US-10-100-217-1

Query Match          95.5%; Score 1909.8; DB 15; Length 1987;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1973; Conservative 0; Mismatches 7; Indels 9; Gaps 5;

QY 1 CTOGCTCCAAAGTTCGACGCGGACCGCTTCGGGGTGTGAGCGCGCTCCGAGGAGGCC 60
Db 8 CTGCTCCAAAGTTCGACGCGGACCGCTTCGGGGTGTGAGCGCGCTCCGAGGAGGCC 67
QY 61 TCTTGGGGCGGGCGGGGGCGGCTCGGGGGGGCCCTGAGCAGAAACAGGAGAAACC 120
Db 68 TCTTGGGGCGGGCGGGGGCGGCTCGGGGGGGCCCTGAGCAGAAACAGGAGAAACC 127
QY 121 AGGCTCGGTCCAGTGGCAACCCAGCTCCCTACTCTGTGCCAGCGCCCTGGCTGTGCA 180
Db 128 AGGCTCGGTCCAGTGGCAACCCAGCTCCCTACTCTGTGCCAGCGCCCTGGCTGTGCA 187
QY 181 GGGCAATCCAGCGCTCCCGGACTGTGACCAATTGCTCAGTGTGCTCTCACTGCTCAG 240
Db 188 GGGCAATCCAGCGCTCCCGGACTGTGACCAATTGCTCAGTGTGCTCTCACTGCTCAG 247
QY 241 TTTCCCTCTGGGGGGGCGATGCGGGGGGAGGCTCTCGGTTTCTGGGGGGCATTTACG 300
Db 248 TTTCC--TCTGGGGGGGCGATGCGGGGGGAGGCTCTCTGCTTTCTGGGGGGCATTTACG 305
QY 301 GCTGTGATTTCTGCTGAGGAACTTCCCGGGGTGAGCCCCCGCTTCTCCAGAGCTGGCAC 360
Db 306 GCTGTGATTTCTGCTGAGGAACTTCCCGGGGTGAGCCCCCGCTTCTCCAGAGCTGGCAC 365
QY 361 CCGCTCCGCTCTACGCGAGGTGCCAAGAGCGCTGTGGCCCCGGGCGACCCAGTGTATCA 420
Db 366 CCGCTCCGCTCTACGCGAGGTGCCAAGAGCGCTGTGGCCCCGGGCGACCCAGTGTATCA 425
QY 421 CCAATGCGAGCACAACCCCGCCCCCAGCCAGGGGAGCTGSCCTTCCGCAAGGCGCAGTGG 480
Db 426 CCAATGCGAGCACAACCCCGCCCCCAGCCAGGGGAGCTGSCCTTCCGCAAGGCGCAGTGG 485
QY 481 TCACCATCTCTGAGGCTCTCGAGAAACAGAGCTGTGTACCGGTCAAGCAACACAGTGT 540
Db 486 TCACCATCTCTGAGGCTCTCGAGAAACAGAGCTGTGTACCGGTCAAGCAACACAGTGT 545
QY 541 GACAGAGGGGCTGTGGCAGCTGGGGGCGCTGCGGGAGGCGGAGGCGCTTCTCCGAGACC 600
Db 546 GACAGAGGGGCTGTGGCAGCTGGGGGCGCTGCGGGAGGCGGAGGCGCTTCTCCGAGACC 605
QY 601 CCAGCTCAGCTCATGCGGTGTTCCAGCGGAAAGTCTCGGGCCAGAGGCTGTCCAGC 660
Db 606 CCAGCTCAGCTCATGCGGTGTTCCAGCGGAAAGTCTCGGGCCAGAGGCTGTCCAGC 665
QY 661 AGCTCAGCGCTCCCGAGGATGGGCTGTTCTCTGTCGGGAGTCCGCGGCCACCCCGGG 720
Db 666 AGCTCAGCGCTCCCGAGGATGGGCTGTTCTCTGTCGGGAGTCCGCGGCCACCCCGGG 725
QY 721 ACTAGCTCTGTGTGAGCTTTGGCGGGAGCTCATTCACCTACCGCTGTGTGACCGCG 780
Db 726 ACTAGCTCTGTGTGAGCTTTGGCGGGAGCTCATTCACCTACCGCTGTGTGACCGCG 785
QY 781 AGGGCCACTCACAATCGATGAGGCGGTGTTCTTCTGCAACCTCATGACATGTGTGAGC 840
Db 786 AGGGCCACTCACAATCGATGAGGCGGTGTTCTTCTGCAACCTCATGACATGTGTGAGC 845
QY 841 ATTACAGCAAGACCAAGGCGCTATCTGACCAAGCTGTGTGAGCAAAAGCGGAACAG 900
Db 846 ATTACAGCAAGACCAAGGCGCTATCTGACCAAGCTGTGTGAGCAAAAGCGGAACAG 905
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901 GGACCAAGTCGGCGAGGAGGCTGGCCAGGGCGGCTGTTACTGAACCTGACGATT 960
Db |||||
906 GGACCAAGTCGGCGAGGAGGCTGGCCAGGGCGGCTGTTACTGAACCTGACGATT 965
Qy |||||
961 TGACATTGGGAGCACAGATCGAGAGGAGAGTTTGGAGCTGTCTCTGAGGGTGAATAC 1020
Db |||||
966 TGACATTGGGAGCACAGATCGAGAGGAGAGTTTGGAGCTGTCTCTGAGGGTGAATAC 1025
Qy |||||
1021 TGGGCAAAAGTGGCGTGAAGATATCAAGTGTGATGTGACAGCCAGGCTTCTGG 1080
Db |||||
1026 TGGGCAAAAGTGGCGTGAAGATATCAAGTGTGATGTGACAGCCAGGCTTCTGG 1085
Qy |||||
1081 ACGAGAGCGCGTCATGACGAGAGTGAACACGAGAACCTGTGGTCTCTCTGGCGTGA 1140
Db |||||
1086 ACGAGAGCGCGTCATGACGAGAGTGAACACGAGAACCTGTGGTCTCTCTGGCGTGA 1145
Qy |||||
1141 TCCTTGCAACAGGGGTGTACATTTGTCATGAGCAGCTGAGCAAGGCAACCTGTGAACT 1200
Db |||||
1146 TCCTTGCAACAGGGGTGTACATTTGTCATGAGCAGCTGAGCAAGGCAACCTGTGAACT 1205
Qy |||||
1201 TTCTGGGAGCCCGGGGTGAGCCCTGCTGTGAACACCGCTCAGTCTGAGTCTTCTCTGC 1260
Db |||||
1206 TTCTGGGAGCCCGGGGTGAGCCCTGCTGTGAACACCGCTCAGTCTGAGTCTTCTCTGC 1265
Qy |||||
1261 ACGTGGCGAGGATGAGTACCTGGAGAGCAAGAACTTGTCAACCGGACCTGGCG 1320
Db |||||
1266 ACGTGGCGAGGATGAGTACCTGGAGAGCAAGAACTTGTCAACCGGACCTGGCG 1325
Qy |||||
1321 CCGCAACATCTCTCTCAGAGGACCTGTTGGCCAAAGGTGAGCACTTTGGCTTGGCA 1380
Db |||||
1326 CCGCAACATCTCTCTCAGAGGACCTGTTGGCCAAAGGTGAGCACTTTGGCTTGGCA 1385
Qy |||||
1381 AAGCGAGCGGAGGGGTAGACTCAAGCCGCTGCCGTCAAGTGGACGCGGCCGAGG 1440
Db |||||
1386 AAGCGAGCGGAGGGGTAGACTCAAGCCGCTGCCGTCAAGTGGACGCGGCCGAGG 1445
Qy |||||
1441 CTCTCAACACGGGAAGTTCACACAGAGTGGATGTCTGGAGTTTGGGGTGTCTCT 1500
Db |||||
1446 CTCTCAACACGG--GTTCAACAGCAAGTCTGGAGTTTGGGGTGTCTCTCT 1502
Qy |||||
1501 GCGAGCTTCTCATATGACGCGGTCCGTACCTAAAATGTCATGAAGAGGTGTGG 1560
Db |||||
1503 GCGAGCTTCTCATATGACGCGGTCCGTACCTAAAATGTCATGAAGAGGTGTGG 1562
Qy |||||
1561 AGCGGTGGAGAGGGATACCGATGGAACCCCGAGGGTGTCCAGGCCCTGTGACG 1620
Db |||||
1563 AGCGGTGGAGAGGGATACCGATGGAACCCCGAGGGTGTCCAGGCCCTGTGACG 1622
Qy |||||
1621 TCCTCATGAGAGCTGCTGGGAGGAGAGCCCGCGCGCCACCTTCCGCAACTGG 1680
Db |||||
1623 TCCTCATGAGAGCTGCTGGGAGGAGAG--CGCGCGCGCGCGACCTTCCGCAACTGG 1681
Qy |||||
1681 CCGAGAGCTGCGCGGAGGTACGAGTGCAGGTGCGCCAGCCTCCGTCTCAGGCGAG 1740
Db |||||
1682 CCGAGAGCTGCGCGGAGGTACGAGTGCAGGTGCGCCAGCCTCCGTCTCAGGCGAG 1741
Qy |||||
1741 ACGCGAGCGGTCCACTCGCCCGAAGCAAGAGCCCTTGACCCCAACCGGTGGGCCCT 1800
Db |||||
1742 ACGCGAGCG--TCCACTCGCCCGAAGCAAGAGCCCTTGACCCCAACCGGT--GGCCCT 1798
Qy |||||
1801 TGGCCCCAGAGAGCCAGAGAGTGGAGTGGGTGGGGGCACTGACCCAGGCCCAAGG 1860
Db |||||
1799 TGGCCCCAGAGAGCCAGAGAGTGGAGTGGGTGGGGGCACTGACCCAGGCCCAAGG 1858
Qy |||||
1861 AGGGTCCAGGCGGCAAGTCACTCTCTGTGGCCACAGCAGGGGTGGGCCACGTAGGG 1920
Db |||||
1859 AGGGTCCAGGCGGCAAGTCACTCTCTGTGGCCACAGCAGGGGTGGGCCACGTAGGG 1918
Qy |||||
1921 GGCTCTGGGCGGCCCTGGACACCCAGACCTTCGGAAGGATGATGCCCCGATTAAGACGG 1980
Db |||||
1919 GGCTCTGGGCGGCCCTGGACACCCAGACCTTCGGAAGGATGATGCCCCGATTAAGACGG 1978
Qy |||||
1981 ATTCTAAG 1989

Db 1979 ATTCTAAG 1987

RESULT 6

US-10-641-643-1409
; Sequence :409, Application US/10641643
; Publication No. US20040077003A1
; GENERAL INFORMATION:

APPLICANT: Cocks, Benjamin G.

Susan G. Stuart

Jeffrey J. Seilhamer

TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
GENE EXPRESSION

NUMBER OF SEQUENCES: 1508

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 PORTER DRIVE

CITY: PALO ALTO

STATE: CALIFORNIA

COUNTRY: USA

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/641,643

FILING DATE: 14-Aug-2003

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: <Unknown>

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Zeller, Karen J.

REGISTRATION NUMBER: 37,071

REFERENCE/DOCKET NUMBER: PA-0001 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 855-0555

TELEFAX: (650) 845-4166

INFORMATION FOR SEQ ID NO: 1409:

SEQUENCE CHARACTERISTICS:

LENGTH: 1987 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: GENBANK

CLONE: 9455449

SEQUENCE DESCRIPTION: SEQ ID NO: 1409 :

US-10-641-643-1409

Query Match 95.5%; Score 1509.8; DB 17; Length 1987;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1973; Conservative 0; Mismatches 7; Indels 9; Gaps 5;

Qy 1 CTCGCTCCAAAGTTGTGACCGCGGACCGCTCGGGGTGTGACCGGCTCGCGGAGGCC 60

Db 8 CTCGCTCCAAAGTTGTGACCGCGGACCGCTCGGGGTGTGACCGGCTCGCGGAGGCC 67

Qy 61 TCCTGGGCGCGCGCGCGCGCGCTCGGGGGCGCCCTGACGACAGAAACAGAGAAACC 120

Db 68 TCCTGGGCGCGCGCGCGCGCGCTCGGGGGCGCCCTGACGACAGAAACAGAGAAACC 127

Qy 121 AGGCTCGGTCAGTGGCCACCCAGCTCCCTTACCTCTGTGCGACGCCCTGTGGCA 180

Db 128 AGGCTCGGTCAGTGGCCACCCAGCTCCCTTACCTCTGTGCGACGCCCTGTGGCA 187

Qy 181 GGCCATTCCACGCTCCCGACTGTGACCACTTGCTCAGTGTGCCTCTCCTGCTCAG 240

Db 188 GGCCATTCCACGCTCCCGACTGTGACCACTTGCTCAGTGTGCCTCTCCTGCTCAG 247

Matches 1973;		Conservative	0;	Mismatches	7;	Indels	87;	Gaps	6;
QY	1	CTCGCTCAAAGTGTGACACCGGGA	CC	CCCTCTGGGCTGTGACGCGGCTGCGGAGGCC	CC				60
Db	8	CTCGCTCAAAGTGTGACACCGGGA	CC	CCCTCTGGGCTGTGACGCGGCTGCGGAGGCC	CC				67
QY	51	TCCTGGGGGGGGGGGGGGGGGGGG	CC	CCCTCTGGGCTGTGACGCGGCTGCGGAGGCC	CC				120
Db	68	TCCTGGGGGGGGGGGGGGGGGGGG	CC	CCCTCTGGGCTGTGACGCGGCTGCGGAGGCC	CC				127
QY	121	AGGCTCGGTCCAGTGGCAACCGAC	CC	CCCTCTGGGCTGTGACGCGGCTGCGGAGGCC	CC				180
Db	128	AGGCTCGGTCCAGTGGCAACCGAC	CC	CCCTCTGGGCTGTGACGCGGCTGCGGAGGCC	CC				187
QY	181	GGCAATCCACAGCTCCCGACCTG	GA	CACTGTCTAGTGTGCTCACTGTGCTCA	CT				240
Db	188	GGCAATCCACAGCTCCCGACCTG	GA	CACTGTCTAGTGTGCTCACTGTGCTCA	CT				247
QY	241	TTTCCCTCTGGGGGGGGGGGGGGGG	GG	GGCTCTGCTGCTGCTGCTGCTGCTGCTG	CT				300
Db	248	TTTCC-CTCTGGGGGGGGGGGGGGGG	GG	GGCTCTGCTGCTGCTGCTGCTGCTGCTG	CT				305
QY	301	GCTGTGATTTCTGTGAGGAATTTCC	CC	CCGGGTGAGCCCGCGCTTCTCCGAGCCTGGCACC	CC				360
Db	306	GCTGTGATTTCTGTGAGGAATTTCC	CC	CCGGGTGAGCCCGCGCTTCTCCGAGCCTGGCACC	CC				365
QY	361	CCCTCCCGTCTACGCCAGGATGCCAA	CG	AGCGCTGGGGCCCGGGCACCCAGTGTATCA					420
Db	366	CCCTCCCGTCTACGCCAGGATGCCAA	CG	AGCGCTGGGGCCCGGGCACCCAGTGTATCA					425
QY	421	CCAAATGGAGACACACCGCCCAAGCC	AG	CGGGAGCTGGCTCCGCAAGGGCGACGTGG					480
Db	426	CCAAATGGAGACACACCGCCCAAGCC	AG	CGGGAGCTGGCTCCGCAAGGGCGACGTGG					485
QY	481	TCACCATCTTGAGGCTTCGAGAAACA	AG	AGCTGTGTACCGGTCAAGACACACACAGTG					540
Db	486	TCACCATCTTGAGGCTTCGAGAAACA	AG	AGCTGTGTACCGGTCAAGACACACACAGTG					545
QY	541	GACAGGAGGGGTGTGTGACGTGGGG	CG	CTCGGAGCGGAGGCCCTTCCCGCAGACC					600
Db	546	GACAGGAGGGGTGTGTGACGTGGGG	CG	CTCGGAGCGGAGGCCCTTCCCGCAGACC					605
QY	601	CCAGCTCAGCTCATGCGGTGTTGACGG	GA	AGATCTCGGGCCAGAGGCTGTCCAGC					660
Db	606	CCAGCTCAGCTCATGCGGTGTTGACGG	GA	AGATCTCGGGCCAGAGGCTGTCCAGC					665
QY	661	AGCTCAGCTCCCGAGATGGGCTGTTC	CT	GTGCGGAGTCCCGCGCCACCCCGCG					720
Db	666	AGCTCAGCTCCCGAGATGGGCTGTTC	CT	GTGCGGAGTCCCGCGCCACCCCGCG					725
QY	721	ACTAGCTCTGTGCTGAGCTTTGGCCG	CG	AGCTCATCCATACCGCTGTGCAACCGCG					780
Db	726	ACTAGCTCTGTGCTGAGCTTTGGCCG	CG	AGCTCATCCATACCGCTGTGCAACCGCG					785
QY	781	ACGGCCACTCACATCGATGAGGCGGT	GT	TTCTGCAACCTCATGACATGGTGG- --					837
Db	786	ACGGCCACTCACATCGATGAGGCGGT	GT	TTCTGCAACCTCATGACATGGTGGGA					845
QY	838	-----		-----					837
Db	846	GGCCACCGGGNACGAAACAGGATGCT	GG	GGTTCCTCCCTGGGGCTGGGCTCATGGCT					905
QY	838	-----AGCATACAGCAAGGACAGGG	CG	CTATCTGCAACCAAGCTGGTGA					882
Db	906	GTCCACCATCTGTCAGCATTACAGCA	AG	GAAGGCGCTATCTGCAACCAAGCTGGTGA					965
QY	883	GACCAAGCGGAAACAGCGGACCAAGT	CG	CCCGAGAGAGCTGCCAGGGCGGCTGGT					942
Db	966	GACCAAGCGGAAACAGCGGACCAAGT	CG	CCCGAGAGAGCTGCCAGGGCGGCTGGT					1025
QY	943	TACTGAACTGAGCATTTGACATTTGGG	AG	GCACAGATCGGAGGAGAGTTTGGAGCTG					1002
Db	1026	TACTGAACTGAGCATTTGACATTTGGG	AG	GCACAGATCGGAGGAGAGTTTGGAGCTG					1085

RESULT 8

US-10-280-576-6

; Sequence 5, Application US/10280576

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; Publication No. US20040044405A1
; GENERAL INFORMATION:
; APPLICANT: Wolff, Matthew R.
; TITLE OF INVENTION: VASCULAR STENT OR GRAFT COATED OR IMPREGNATED WITH PROTEIN
; FILE REFERENCE: 09820.189
; CURRENT APPLICATION NUMBER: US/10/280,576
; CURRENT FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: 60/343,732
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 1584
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-280-576-6

Query Match      76.7%; Score 1533.8; DB 13; Length 1584;
Best Local Similarity 99.4%; Pred. No. 0;
Matches 1582; Conservative 0; Mismatches 2; Indels 7; Gaps 4;

QY 258 ATGCGGGGCGAGGCTCTCTGGTTTCTTGGCGGCAATTTCACGGCTGTGATTCGTCTGAG 317
DB 1 ATGCGGGGCGAGGCTCTCTGGTTTCTTGGCGGCAATTTCACGGCTGTGATTCGTCTGAG 60

QY 318 GAACTTCCCGGGTGAGCCCGCGCTTCTCCGAGCCTGGCACCCCGCTCCCGTCTCAGCC 377
DB 61 GAACTTCCCGGGTGAGCCCGCGCTTCTCCGAGCCTGGCACCCCGCTCCCGTCTCAGCC 120

QY 378 AGATGCCAACGAGCGGTGGCGCGGCGGCGACCCAGTGATATCAACAATGGACACACC 437
DB 121 AGATGCCAACGAGCGGTGGCGCGGCGGCGACCCAGTGATATCAACAATGGACACACC 180

QY 438 CGCCCAAGCAGGAGCTGGCTTCCGCAAGGCGGACGCTGCTCACCATCTCGAGGCC 497
DB 181 CGCCCAAGCAGGAGCTGGCTTCCGCAAGGCGGACGCTGCTCACCATCTCGAGGCC 240

QY 498 TCGAGAACAAAGAGTGCTACCGGTCAAGCAACCAACCAACCAACCAACCAACCAACCA 557
DB 241 TCGAGAACAAAGAGTGCTACCGGTCAAGCAACCAACCAACCAACCAACCAACCAACCA 300

QY 558 GCAGCTGGGGCGCTCGCGGAGGGAGGCGCTCTCCGAGACCCCAAGCTCAGCTCATG 617
DB 301 GCAGCTGGGGCGCTCGCGGAGGGAGGCGCTCTCCGAGACCCCAAGCTCAGCTCATG 360

QY 618 CCGTGTCTCCAGGGAAGATCTCGGCGCAGGAGGCTGTCAGCAGCTCAGCTCCCGAG 677
DB 361 CCGTGTCTCCAGGGAAGATCTCGGCGCAGGAGGCTGTCAGCAGCTCAGCTCCCGAG 420

QY 678 GATGGGCTGTTCCTGGTCGGGAGTCCGCGGCCACCCCGCGCACTAGCTGTGCGTG 737
DB 421 GATGGGCTGTTCCTGGTCGGGAGTCCGCGGCCACCCCGCGCACTAGCTGTGCGTG 480

QY 738 AGCTTTGGCGCGGAGCTATCCACTACCGGTGCTGCACCGGAGGCGGCACTCAACAATC 797
DB 481 AGCTTTGGCGCGGAGCTATCCACTACCGGTGCTGCACCGGAGGCGGCACTCAACAATC 540

QY 798 GATGAGGCGGTGTTCTTCTGCAACCTCATGACATGTGTGGAGCATATACGAAGACAAAG 857
DB 541 GATGAGGCGGTGTTCTTCTGCAACCTCATGACATGTGTGGAGCATATACGAAGACAAAG 600

QY 858 GCGGTATCTGCACCAAGTGTGTGAGACCAAGCGGAAACACGGGACCAAGTCGGCGGAG 917
DB 601 GCGGTATCTGCACCAAGTGTGTGAGACCAAGCGGAAACACGGGACCAAGTCGGCGGAG 660

QY 918 GAGGAGCTGGCAGGGCGGCTGCTTACTGACCTCGACCTTGCACATTTGAGGACACAG 977
DB 661 GAGGAGCTGGCAGGGCGGCTGCTTACTGACCTCGACCTTGCACATTTGAGGACACAG 720

QY 978 ATCGAGAGGGAGAGTTTGGAGTGTCTGCAAGGTGCTAGTCTGGGGCAAAAGGTGGCC 1037
DB 721 ATCGAGAGGGAGAGTTTGGAGTGTCTGCAAGGTGCTAGTCTGGGGCAAAAGGTGGCC 780
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QY 1038 GTCAAGATATCAAGTGTGATGTGACAGCCAGGCGCTTCTGTGACGAGACGGCGGTCAATG 1097
DB 781 GTCAAGATATCAAGTGTGATGTGACAGCCAGGCGCTTCTGTGACGAGACGGCGGTCAATG 840

QY 1098 ACCAAGATGCAACACAGAACCTGTGGTCTCTGGGCGGTGATCTCTGACACGAGGGGCTG 1157
DB 341 ACCAAGATGCAACACAGAACCTGTGGTCTCTGGGCGGTGATCTCTGACACGAGGGGCTG 900

QY 1158 TACATTGTCTATGGAGCACCTGTGAGCAAGGGCAACTGTGTGAATTTCTGCGGAACCCGGGT 1217
DB 901 TACATTGTCTATGGAGCACCTGTGAGCAAGGGCAACTGTGTGAATTTCTGCGGAACCCGGGT 960

QY 1218 CGAGCCCTCTGTAACACCGCTCAGCTCTCTGAGTTTCTCTGCACTGCGGCGGAGGCAATG 1277
DB 961 CGAGCCCTCTGTAACACCGCTCAGCTCTCTGAGTTTCTCTGCACTGCGGCGGAGGCAATG 1020

QY 1278 GAGTACCTGGAGAGCAAGAGCTTGTGACCGCGACCTGGCGCGCCCAACATCTCTGCT 1337
DB 1021 GAGTACCTGGAGAGCAAGAGCTTGTGACCGCGACCTGGCGCGCCCAACATCTCTGCT 1080

QY 1338 TCAGAGACCTGTGGTGGCCAAAGGTACGCACTTTGGCTGTGCGCCAAAGCCGAGCGGAGGG 1397
DB 1381 TCAGAGACCTGTGTGGCCAAAGGTACGCACTTTGGCTGTGCGCCAAAGCCGAGCGGAGGG 1140

QY 1398 CTAGACTCAGACCGGCTGCCCTCAAGTGAACCGCGCGGAGGCTCTCAACACGGGAG 1457
DB 1141 CTAGACTCAGACCGGCTGCCCTCAAGTGAACCGCGCGGAGGCTCTCAACACGGGAG 1197

QY 1458 TTCAACAGCAAGTCCGATGCTGGAGTTTGGGGTGTGCTCTTGGGAGGCTTCTCTCATAT 1517
DB 1198 TTCAACAGCAAGTCCGATGCTGGAGTTTGGGGTGTGCTCTTGGGAGGCTTCTCTCATAT 1257

QY 1518 GGACGGCTCCGTACCTAAATGTCTGAAAGAGTGTGCGAGGCGCTGCGAGAGGGG 1577
DB 1258 GGACGGCTCCGTACCTAAATGTCTGAAAGAGTGTGCGAGGCGCTGCGAGAGGGG 1317

QY 1578 TACCGATGAAACCCCGGAGGCTGTCAGGCGCCCTGACGCTCTCATGAGCAGTGC 1637
DB 1318 TACCGATGAAACCCCGGAGGCTGTCAGGCGCCCTGACGCTCTCATGAGCAGTGC 1377

QY 1638 TGGAGGACAGACCCCGCGCCACCTTCCGCAAACTGGCGCGAGAACTGGCCCGG 1697
DB 1378 TGGAGGACAGACCCCGCGCCACCTTCCGCAAACTGGCGCGAGAACTGGCCCGG 1436

QY 1698 GAGCTACGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 1757
DB 1437 GAGCTACGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 1495

QY 1758 TCGCCCGGAGCCAGGAGCCTGACCCACCCCGTGGGGCGCTTGGCCCGCAGAGACCGA 1817
DB 1496 TCGCCCGGAGCCAGGAGCCTGACCCACCCCGTGGGGCGCTTGGCCCGCAGAGACCGA 1553

QY 1818 GAGAGTGGAGAGTGGCGGTGGGGGCACTGA 1848
DB 1554 GAGAGTGGAGAGTGGCGGTGGGGGCACTGA 1584
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RESULT 9
US-10-187-900-1
; Sequence 1, Application US/10187900
; Publication No. US20030166221A2
; GENERAL INFORMATION:
; APPLICANT: BERSLEY, Ellen M. et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE OF INVENTION: THEREOF
; FILE REFERENCE: C1001061
; CURRENT APPLICATION NUMBER: US/10/187,900
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1713
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; TYPE: DNA
; ORGANISM: Human
US-10-187-900-1

Query Match      68.8%; Score 1377; DB 15; Length 1713;
Best Local Similarity 99.3%; Pred. No. 0;
Matches 1383; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 608 CAGCTCATGCGCTGGTTCACCGGAAGATCTCGGGCCAGGAGGCTGTCCAGCAGCTGCA 667
DB 608 CAGCTCATGCGCTGGTTCACCGGAAGATCTCGGGCCAGGAGGCTGTCCAGCAGCTGCA 667

QY 668 GCCTCCCGAGGAGTGGCTGTCTGCTGGTGGGAGTCCGGGCCACCCCGGGGAGTACGCT 727
DB 668 GCCTCCCGAGGAGTGGCTGTCTGCTGGTGGGAGTCCGGGCCACCCCGGGGAGTACGCT 727

QY 669 GCCTCCCGAGGAGTGGCTGTCTGCTGGTGGGAGTCCGGGCCACCCCGGGGAGTACGCT 727
DB 669 GCCTCCCGAGGAGTGGCTGTCTGCTGGTGGGAGTCCGGGCCACCCCGGGGAGTACGCT 727

QY 728 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 787
DB 728 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 787

QY 788 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 787
DB 788 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 787

QY 847 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 847
DB 847 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 847

QY 907 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 907
DB 907 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 907

QY 908 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 908
DB 908 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 908

QY 967 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 967
DB 967 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 967

QY 968 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 968
DB 968 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 968

QY 1027 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1027
DB 1027 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1027

QY 1028 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1028
DB 1028 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1028

QY 1088 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1088
DB 1088 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1088

QY 1148 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1148
DB 1148 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1148

QY 1207 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1207
DB 1207 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1207

QY 1267 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1267
DB 1267 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1267

QY 1327 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1327
DB 1327 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1327

QY 1387 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1387
DB 1387 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1387

QY 1447 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1447
DB 1447 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1447

QY 1507 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1507
DB 1507 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1507

QY 1567 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1567
DB 1567 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1567

QY 1627 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1627
DB 1627 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1627

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DB 1257 GGAGAGGGGTACCGCATGGHACCCCGGAGGCTGTCCAGGCGCCGCTGCACGTCTCAT 1316
QY 1257 GGAGAGGGGTACCGCATGGHACCCCGGAGGCTGTCCAGGCGCCGCTGCACGTCTCAT 1316
DB 1628 GAGCAGCTGTCTGGAGGAGGAGAGCCCGCCGCGGACCCCTTCGCAAACTGSCCGAGAA 1687
QY 1628 GAGCAGCTGTCTGGAGGAGGAGAGCCCGCCGCGGACCCCTTCGCAAACTGSCCGAGAA 1687
DB 1317 GAGCAGCTGTCTGGAGGAGGAGAGCCCGCCGCGGACCCCTTCGCAAACTGSCCGAGAA 1376
QY 1317 GAGCAGCTGTCTGGAGGAGGAGAGCCCGCCGCGGACCCCTTCGCAAACTGSCCGAGAA 1376
DB 1638 GCTGCGCGGAGAGTACGAGTGCAGGTGCGCCAGCCTCCGCTCTCAGGGCAGGAGCGCGA 1747
QY 1638 GCTGCGCGGAGAGTACGAGTGCAGGTGCGCCAGCCTCCGCTCTCAGGGCAGGAGCGCGA 1747
DB 1377 GCTGCGCGGAGAGTACGAGTGCAGGTGCGCCAGCCTCCGCTCTCAGGGCAGGAGCGCGA 1436
QY 1377 GCTGCGCGGAGAGTACGAGTGCAGGTGCGCCAGCCTCCGCTCTCAGGGCAGGAGCGCGA 1436
DB 1748 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1807
QY 1748 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1807
DB 1437 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1496
QY 1437 CCGTGTGCTGAGCTTTGGCCGCGAGCTCATCCACCTACCGCGTGTGTCACCGGACGGCCA 1496
DB 1808 GAGAGACCGAGAGAGTGCAGGTGCGGGGCTGGGGGACCTGACCGAGCCACAGGAGGCTCC 1867
QY 1808 GAGAGACCGAGAGAGTGCAGGTGCGGGGCTGGGGGACCTGACCGAGCCACAGGAGGCTCC 1867
DB 1497 AGAGAGACCGAGAGAGTGCAGGTGCGGGGCTGGGGGACCTGACCGAGCCACAGGAGGCTCC 1556
QY 1497 AGAGAGACCGAGAGAGTGCAGGTGCGGGGCTGGGGGACCTGACCGAGCCACAGGAGGCTCC 1556
DB 1858 AGGGGGGCAAGTGCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1927
QY 1858 AGGGGGGCAAGTGCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1927
DB 1557 AGGGGGGCAAGTGCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1616
QY 1557 AGGGGGGCAAGTGCATCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1616
DB 1928 CCGCGCCCGTGCACACCCCGAGACCTGCGAAGATGATCGCCGATGATGATGATGATGATG 1987
QY 1928 CCGCGCCCGTGCACACCCCGAGACCTGCGAAGATGATCGCCGATGATGATGATGATGATG 1987
DB 1617 GCGCGCCCGTGCACACCCCGAGACCTGCGAAGATGATGATGATGATGATGATGATGATG 1676
QY 1617 GCGCGCCCGTGCACACCCCGAGACCTGCGAAGATGATGATGATGATGATGATGATGATG 1676
DB 1988 GGAATCTTAAAAA 2000
QY 1988 GGAATCTTAAAAA 2000
DB 1677 GGAAAAA 1689

RESULT 10
US-10-280-576-24
; Sequence 24, Application US/10280576
; Publication No. US20040044405A1
; GENERAL INFORMATION:
; APPLICANT: Wolff, Matthew R.
; TITLE OF INVENTION: VASCULAR STENT OR GRAFT COATED OR IMPREGNATED WITH PROTEIN
; FILE REFERENCE: 09820.189
; CURRENT APPLICATION NUMBER: US/10/280,576
; PRIOR FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: 60/343,732
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patent version 3.1
; SEQ ID NO: 24
; LENGTH: 1518
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-280-576-24

Query Match      54.8%; Score 1096.8; DB 13; Length 1518;
Best Local Similarity 83.4%; Pred. No. 8.7e-269;
Matches 1271; Conservative 0; Mismatches 247; Indels 6; Gaps 2;

QY 258 ATGGCGGGGCGAGGCTCTCTGCTTTCCTGCGGGCATTTCAAGGCTGTGATCTGCTGAG 317
DB 258 ATGGCGGGGCGAGGCTCTCTGCTTTCCTGCGGGCATTTCAAGGCTGTGATCTGCTGAG 317
DB 318 GAATTCCTCCCGGCTGAGCCCGCTCTCTCCAGGCTGCGCACCCCGCTCCCGCTCTCAGCC 377
QY 318 GAATTCCTCCCGGCTGAGCCCGCTCTCTCCAGGCTGCGCACCCCGCTCCCGCTCTCAGCC 377
DB 58 GACCTCTCTCCCGGCTGAGCCCGCTCTCTCCAGGCTGCGCACCCCGCTCTCAGCT 117
QY 58 GACCTCTCTCCCGGCTGAGCCCGCTCTCTCCAGGCTGCGCACCCCGCTCTCAGCT 117
DB 378 AGGATCCCAACGAGGCGCTGGGCGCCCGGCAACCGAGTGTATCCAAATTCGAGGACACC 437
QY 378 AGGATCCCAACGAGGCGCTGGGCGCCCGGCAACCGAGTGTATCCAAATTCGAGGACACC 437
DB 118 AGGATCCCAACGAGGCGCTGGGCGCCCGGCAACCGAGTGTATCCAAATTCGAGGACACC 174
QY 118 AGGATCCCAACGAGGCGCTGGGCGCCCGGCAACCGAGTGTATCCAAATTCGAGGACACC 174
DB 438 CCGCCCGGAGGCGGAGCTGGCTTTCGCGAGGCGAGCTGCTTCCACCTCTCGAGGCGCC 497
QY 438 CCGCCCGGAGGCGGAGCTGGCTTTCGCGAGGCGAGCTGCTTCCACCTCTCGAGGCGCC 497
DB 175 CCGCCCGGAGGCGGAGCTGGCTTTCGCGAGGCGAGCTGCTTCCACCTCTCGAGGCGCC 234
QY 175 CCGCCCGGAGGCGGAGCTGGCTTTCGCGAGGCGAGCTGCTTCCACCTCTCGAGGCGCC 234
DB 498 TGGGAGAACAGAGAGCTGGTACCGCGTCAAGACCAACAGCTGACAGGAGGCGCTGCTG 557
QY 498 TGGGAGAACAGAGAGCTGGTACCGCGTCAAGACCAACAGCTGACAGGAGGCGCTGCTG 557

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Db 235 TGTGAGGCAAGAGCTGTACCGAGCCAAAGCAACCATGTCAGTGGGAGGAGGGTGCTG 294
Qy 558 GCAGCTTGGGCGCGTGGGAGGGAGGCGCTTCTCCGACAGACCCCAAGCTCAGCCTCATG 617
Db 295 GCGGCGCGTCTCTGCGACAGCGGGAGGCGCTTCTCCACAGACCCCAAGCTCAGCCTCATG 354
Qy 618 CCGTGGTTCACGGGAGAGATCTCGGGCCAGGAGGCTGTCCAGAGCTCAGCCTTCCGAG 577
Db 355 CCATGGTTCATGGCAAGATCTCCGGCCAGGAGCCATACAGCAGCTGAGGCCACCCGAG 414
Qy 678 GATGGCTCTCTCTGTGGGAGTCCGGCGCGCCACCCCGGGGACTACGCTCTGTGGTG 737
Db 415 GACGGCTGTCTCTGTGGGAGATCAGCTGTCTACCCCTGGAGACTATGTCTTGTGTGTC 474
Qy 738 AGCTTTGGCGCGACGTATCCACTACCGGTGCTGCACCGGAGCGGCCACCTCAATC 797
Db 475 AGTTTCGGCGGTGACGTATCCACTACCGTGTCTTCATCGAGATGGGCACCTCAATC 534
Qy 798 GATGAGCGGTGTCTTCTGCAACCTCATGGACATGGTGAGCATTTACAGCAAGGACAG 857
Db 535 GATGAGCGGTGTCTTCTGTAACCTGATGACATGGTGAGCACTTACCAAGGACAG 594
Qy 858 GCGCTATCTGCACCAAGCTGTGTGAGCAACAAAGCGAACAACAGGACCAAGTCGGCGGAG 917
Db 595 GGGGCCATCTGCACCAAGCTGTGTGAGCAACAAAGGAGGAACAGGCGCAAGTCTGCAGAG 654
Qy 918 GAGGAGCTGGCCAGGCGCGCTGTGTACTGAACCTGCAGCATTTGACATTTGGAGACAG 977
Db 655 GAGGAGCTGGCCAGGCGCGCTGTGTACTGCAGCTGCAGCATCTGACTCTGGAGCACAG 714
Qy 978 ATCGGAGAGGAGATTTGAGCTGTCTGACGGGTGAGTACTCGGGGCAAAAGTGGCC 1037
Db 715 ATTGGAGAGGGGAGTTTGGAGCGCTCTACAGGGTGAGTACTCGGGGACAGAGTGGCT 774
Qy 1038 GTCAAGATATCAAGTGTGTATGTGACAGCCAGCGCTTCTGTGACAGACGGGCGTCATG 1097
Db 775 GTCAAGATATCAAGTGTGTATGTGACAGCCAGCGCTTCTGTGATGAGACGGTGTGATG 834
Qy 1098 ACAGAGATGCAACACAGAGAACCTGTGTGCTTCTGTGGGCGTGTATCTGTACACAGGGGCTG 1157
Db 835 ACAGAGCTGCAGCACAGGAACCTGTGTGCTTCTGTGGTGTATCTGTACACAGCGCTTG 894
Qy 1158 TACATTTGTATGAGACACGTGACAGGAGGCAACCTGTGTGACTTTCTGGGACCCGGGT 1217
Db 895 TACATTTGTATGAGACACGTGAGCAAGGCAACCTGTGTGAACTTCTGTGCGACCGGGGC 954
Qy 1218 CGAGCCCTCTGTAAACACCGCTCAGCTCCTGCAGTCTTCTGTGACGCTGGCGGAGGCATG 1277
Db 955 CGTGTCTTGTGAGACCTCTAGCTTCTGCAGTTTGTCTTCTGTGTTGTGTGAGGATG 1014
Qy 1278 GAGTACCTGGAGAGCAAGAGCTTGTGACCCGAGCTGTGGCGCCCGCAACATCTGTGTC 1337
Db 1015 GAATACCTGGAGAGCAAGAGCTGTGTGACCCGGAACCTGTGCTCTGGAACATCTGTGTC 1074
Qy 1338 TCGAGAGACCTGTGTGGCGAGGTGAGGACTTTGGCTGTGGCCAAAGCGCGAGAGGG 1397
Db 1075 TCTGAGGACTTGTGTGCCAAGTCASTGACTTTGGCTTAGCCAAAGGACAGCCCAAGGG 1134
Qy 1398 CTAGACTCAAGCCGGTGTCCCGTCAAGTGAACGGCGCCCGAGGCTCTCAACACCGGAAG 1457
Db 1135 CTGAGCTCAAGCCGGTGTCCAGTCAAGTGAACGGCACCTGAGGCTCTCAAAACCGGGCG 1194
Qy 1458 TTCACAGCAAGTCGAGTGTCTGAGTGTGGGTTGTGTCTGTGGAGGTTCTTCTCATAT 1517
Db 1195 TTCTCCAGCAAGTCGAGTGTCTGAGTGTGGGTTGTGTGTGTGGGAAGTCTTCTCTTAT 1254
Qy 1518 GAGCGGCTCGGTACCTCAAAATGTCTCAAGAGAGTGTGCGAGGCGCGTGGAGAGGG 1577
Db 1255 GGAAGAGCCCCATACCCCAAGATGTGCTTAAGAGAGGTTTCAGAGGCTGTGGAAGAGGT 1314
Qy 1578 TACCGATGGAACCCCGGAGGGGTGTCCAGGCGCCCGTGCACGCTCTCATGAGAGCTGC 1637
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Db 1315 TACCCATGGAGCCCGCCGATGGCTGCCAGGCTCTGTGCACACCCCTCATGGTAGTGC 1374
Qy 1638 TGGAGGAGAGCCCGCCGCGCGGCCACCCCTTCCCAAAATGCGCCGAGAGCTGGCCGG 1697
Db 1375 TGGAGGAGAGCCCTGCGCGCGACACCCCTTCCCAAAATAGTGGAGAGCTGGCCGT 1434
Qy 1698 GAGCTACAGCTGACAGGTGCCCGCAGCCTCCGCTCTCAGGGCAGGACGCCAGCGCTCCACC 1757
Db 1435 GAGCTCCGAGTGTGGTGTCTCGGCCCGCCGCTGGGGACAGAGGCTGAGGGCTCAGCT 1494
Qy 1758 TCGCCCGAAGCCAGGAGCCCTGA 1781
Db 1495 CCCACACGAGGACGAGACCCCTGA 1518

RESULT 11
US-10-280-576-2
; Sequence 2, Application US/10280576
; Publication No. US20040044405A1
; GENERAL INFORMATION:
; APPLICANT: Wolfie, Matthew R.
; TITLE OF INVENTION: VASCULAR STENT OR GRAFT COATED OR IMPREGNATED WITH PROTEIN
; FILE REFERENCE: 09820.189
; CURRENT APPLICATION NUMBER: US/10/280,576
; CURRENT FILING DATE: 2002-10-22
; PRIOR APPLICATION NUMBER: 60/343,732
; PRIOR FILING DATE: 2001-10-25
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1353
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-280-576-2

Query Match 27.4%; Score 547.6; DB 13; Length 1353;
Best Local Similarity 64.9%; Pred. No. 38-129;
Matches 846; Conservative 0; Mismatches 449; Indels 9; Gaps 2;

Qy 395 CTGGGCGCCGGGACCCCACTGTATCAACAAATGCGAGCACCCCGCCCAAGCCAGGGGA 454
Db 21 CTGGCCATCCGGTACAGATATGTTGCCAAAGTACAACTTCCACGGCACTGCCGAGCAGGA 80
Qy 455 GCTGGCTTCCCGAAGGGCGAGTGTGTACCTCTGGAGGCTGCGAGAACAGAGCTG 514
Db 81 CTGCCCCCTCTCAAGAGGAGCTGTCTACCAATGTGTGCCGTACACAGAGCCCCAACTG 140
Qy 515 GTACCGCGTCAAGCACACACAGTGGACAGAGGGGCTGTGGCAGCTGGGCGCTGCG 574
Db 141 GTACAAAGCA--AAACAGAGTGGGCGGTAGGCGCATCATCCAGCCACATACGTCCA 197
Qy 575 GGAGCGGAGGCGCTTCTCGCAGACCCCAAGCTCAGCTCAATGCCCTGTGTTCACCGGAA 634
Db 198 GAAGCGGAGGCGCTGAGGCGGCTACCAAACTCAGCCTCATGCTTGTGTTCACCGCAA 257
Qy 635 GATCTGGGCCAGGAGGCTGTCCAGAGCTCAGCCTCCCGAGGATGGCTGTTCCTGTT 694
Db 258 GATCACAGGGAGCAGGCTGAGCGGCTTCTTACCCCGGAGACAGGCGCTGTTCCTGTT 317
Qy 695 GCGGAGTCCGGCGCGCACCCCGGAGCTACCTCTCTGTGCTGAGCTTTGGCGCGCAGCT 754
Db 318 GGGGAGAGCACCAACTACCCCGGAGACTACAGCTGTGCGTGTGAGCTGCGAGCGCAAGT 377
Qy 755 CATCCTACCGGCTGCTGCACCGGACCGGCACCTCAACATCATGATGAGCGCGTGTCTT 814
Db 378 GGAGCACTACCGCATCATGTACCATGCCAGCAAGCTCAGCATCGAGAGAGTGTACTT 437
Qy 815 CTGCAACTCATGGAATGTTGAGGATTTACAGCAAGGCAAGGGGCGCTATCTGCACCAA 874
Db 438 TGAGAACCTCATGCACTGTGTGAGCACTTACACCTCAGACCGAGATGAGTCTCTGTACGG 497
Qy 875 GGTGTGAGACCAAGCGGAAACACGGGACCAAGTGGCGCGGAGGAGGAGCTGGCCAGGCG 934
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498 CCTCATTAACCAAGGTCATGAGGGGACAGTGGGGCCACGATGATGTTTACGGCAG 557
935 GGCTGTGTACTGAACCTGACGATTTGACATTTGGGAGCACAGATCGGAGAGGAGATT 994
558 CGGTGGGCTTGAATGAGAGAGTGAAGTCTGCTGACACCATCGGGAAGGGAGTT 617
995 TGGAGTGTCTCTGAGGGTCACTCTGGGGCAAAAGTGGCGGTGAAGATATCAAGTG 1054
618 CGGAGACGTGATCTGGCGCATACCGAGGGAACAAAGTGGCGGTCAAGTGCATTAAGAA 677
1055 TGATGTGACAGCCAGGCTTCTTGGGACGAGACGGCGCTCATGACGAGATGAACACGA 1114
678 CGAGCCACTGCCAGGCTTCTTGGCTGAAGCTCATGACGCACTGCGGCATAG 737
1115 GAACCTGTGCTCTGCTGGGCGTGATCTTGCACAG-----GGGCTGTACATTTGCAT 1168
738 CAACCTGGTGAAGTCTTGGCGTGTGCTGGAGGAGAGGGGGGCTCTACATCGTCAC 797
1169 GAGACAGTGAAGGCAACCTGGTGAATTTCTGCGGACCCGGGCTGAGCCCTCGT 1228
798 TGAGTACATGGCCAGGAGGCTTGTGGACTACTGCGGTCTAGGGGTCTGTCAGTCT 857
1229 GAAACACCTGAGCTCTGCTGAGTTTCTCTGCACTGTGCGGAGGCGATGGAGTACCTGGA 1288
858 GGGCGGAGACTTCTCTCAAGTCTGCTAGATGTCTGCGAGGCGCATGGAGTACCTGGA 917
1299 GAGCAGAGAGCTTGTGACCGCGACCTGGCGCGCGCAACATCTCTGCTCTCAGAGGACCT 1348
918 GGGCAACAAATTTGCTGATCGAGAGCTGGCTGCGCGCGCAATGTCTGCTGCTGAGGACAA 977
1349 GGTGCCAAGTGAAGCACTTTGGCTGGCCCAAGCCGAGCGGAGAGGGGTAGACTCAAG 1408
978 GTGGCCAGGTACAGCACTTTGCTCTCACAAAGGAGCGCTCCAGACCCAGGACACGGG 1037
1409 CGGCTGCGCTCAAGTGAAGCGGCGCGCGCTCTCAACAGGGAAGTTTCAACAGCAA 1468
1038 CAAGTGCAGTCAAGTGAAGCGGCTGAGGCGCTGAGAGAGAGAAATTTCCACATTA 1097
1469 CTCGATCTGAGGTTTGGGCTGCTGCTGAGGAGTCTTCTCATATGAGCGGCTCC 1528
1098 GTCTGACGTGGAGTTTGGGATCTCTCTCTGAGGAAATCTACTCTTTGGCGAGTGGC 1157
1529 GTACCTTAAATGTCACTGAAGAGGTGTGAGGCGGCTGAGAGGGGTACCGCATGA 1588
1158 TTATCCAGAAATTTCCCTGAGGAGCTGTCTGCTGGGTGAGAGAGGCTACAGATGA 1217
1589 ACCCGCGAGGCTGTCCAGGCGCGCTGCACTCTCATGACAGTGTCTGGAGGCGAGA 1648
1218 TGCCCCCGAGGCTGCGCCCGCCCGAGTCTATGAAGTCAATGAAGTCTGCTGACCTGA 1277
1649 GCGCGCGCGCGGCGGCTTCCGCAAACTGGCGCGAGAGGCTGG 1692
1278 GCGCGCGGCTGCGGCTCTCTCTACAGCTCCGAGAGGAGCTTG 1321

RESULT 12
US-09-954-531-188
; Sequence 188, Application US/09954531
; Patent No. US20020165180A1
; GENERAL INFORMATION:
; APPLICANT: Weaver, Zoe
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
; FILE REFERENCE: 689290-77
; CURRENT APPLICATION NUMBER: US/09/954,531
; CURRENT FILING DATE: 2002-05-02
; PRIOR APPLICATION NUMBER: US/60/233,133
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,009
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,034
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,509

PRIOR FILING DATE: 2000-09-22
PRIOR APPLICATION NUMBER: US/60/234,567
PRIOR FILING DATE: 2000-09-22
NUMBER OF SEQ ID NOS: 1392
SOFTWARE: PatentIn version 3.0
SEQ ID NO 188
LENGTH: 2187
TYPE: DNA
ORGANISM: Homo sapiens
US-09-954-531-188

Query Match 27.4%; Score 547.6; DB 9; Length 2187;
Best Local Similarity 64.9%; Pred. No. 3,2e-129;
Matches 846; Conservative 0; Mismatches 449; Indels 9; Gaps 2;

395 CTGGGCCCCGGGCAACCCAGTGTATCACAATGGGACACACCGGCCCAAGCCAGCGGA 454
154 CTGGCCATCCGCTACGAATGTATTCCTCAAGTAACTTCCACGGCACTGCCGAGCAGA 213
455 GCTGGCTTCCGCAAGGGCGACGTGTACCATCTCTGAGGCTCTCGAGAACAGAGCTG 514
214 CCTGCCCTTCTGCAAGAGAGACGTGTCTACCATTTGTGGCGTCACCAAGGACCCCACTG 273
515 GTACCGGCTCAAGCACACACACCACTGTGACAGGAGGCGCTGTGTGGCAGCTGGGGCGCTCG 574
274 GTACAAAGCCA---AAACAAAGGTGGGCGGTGAGGGCATCATCCAGCCAACTACGTCCA 230
575 GGACGGGAGGCCCTCTCCGACAGACCCCAAGCTCAGCTCATGCGGTGTTCCACGGGAA 634
331 GAACGGGAGGGCTGAAGGGGGTACCAACTCAGGCTCATGCTTGTGTTCCACGGGAA 390
535 GATCTGGGCGCAGAGGCTGTCCAGCAGCTGCAGCTCCGAGGATGGGCTGTCTCTGT 694
391 GATCACAGGAGCAGGCTGAGCGCTTCTGTACCCGCGGAGACAGGCTGTCTCTGT 450
695 CGGAGTCCCGGGCCACCCCGCGCACTACGTCTGTGTGTGAGCTTTGGCGGAGCT 754
451 CGGGAGAGCACCACTACCCCGGAGACTACAGCTGTGTGTGAGCTGTGCGCAAGGT 510
755 CATCACTACCGGTGTGACCGGAGCGGCCACCTCATCATGATGAGGCGGTCTT 814
511 GGAGCACTACCGCATCATGTACCATGCGCAGCAAGCTCAGCATTCGACGAGGAGGTACT 570
815 CTGCAACTCATGTCATGTGGAGCTTACAGCAAGGACAGAGGCGCTATCTGCACCAA 874
571 TGAGAACCTCATGAGCTGTGGAGCACTACACTCAGACGAGATGGACTCTGTACGG 630
875 GCTGTGAGACCAACCGGAAACACCGGACCAAGTTCGCGCGGAGGAGAGCTGGCCAGG 934
631 CCTCATTAACCAAGGTTCATGGAGGACAGTGGCGGCGCCAGGATGAGTTCTACCG 690
935 GGGCTGGTTACTGAACCTTGCAGCATTTGACATTTGGGAGCACAGATCGGAGAGGAGTT 994
691 CGGCTGGGCGCTGAACATGAAGAGCTGAAGTGTGTGACACCATCGGAAAGGGGAGTT 750
995 TGGAGCTCTCTGAGGCTGAGTACTCTGGGCGCAAAAGGTGGCGGTGAAGAATATCAAGTG 1054
751 CGGAGACGTGATCTGGGCGATTAACGAGGAGACAAAGTTCGCGCTCAAGTGAATTAAGA 810
1055 TGATGTGACAGCCCGGAGGCTTCTTGGACGAGCGCGCTCATGACCAAGATGAACACGA 1114
811 CGACGCCATCTGCCAGGCTTCTTGGCTGAGGCTTCAAGCTCATGACCAACTGGGCGATAG 870
1115 GAACCTGGTGTCTCTTGGGCTGATCTCTGACCAAG-----GGGCTGTACATTTGCAT 1168
871 CAACCTGGTGCAGCTCTCTGGGCTGATCTGTGGAGGAGAGGGGGGCTCTCATCTGTAC 930
1169 GGAGCAGTGAAGGAGGAACTGTGTGAACCTTCTGGGACCGCGGCTGAGCCCTCGT 1228
931 TGAGTACATGGCCAGGAGGAGGCTTGTGAGTACTACCTGCGGTCTAGGGCTGGTCAAGT 990
1229 GAACACCGCTCAGCTCTCTGAGTGTCTCTGACGCTGGCGCGGAGGATGAGTACCTGGA 1288

1529 GTACCTTAATGTCTACTGAAGAGGTGTCGAGGCGCTGGAGAGGGGTACCGCATGGA 1588
 1291 TTATCCAAAGCAATCCCTGAGGACGTCGTCCTCGGTCGAGAGGGCTACAGATGGA 1350
 1589 ACCCCCGGAGGGTGTCCAGGCCCGGTGCAAGTCTCATGAGCAGCTGTGGAGGAGA 1648
 1351 TGCCCGGAGGGTGTCCGCGCCGAGTATGAAAGTCATGAAGTCTGTCGACCTGGA 1410
 1649 GCGCGCCCGGCGGACCTTCGCAACTGGCCGAGAGCTGG 1692
 1411 CGCGCCCATGGGCGCTCTCTTACAGCTCGAGAGCAGCTTG 1454

RESULT 14

US-10-641-643-1267
 ; Sequence 1267, Application US/10641643
 ; Publication No. US20040077003A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cocks, Benjamin G.
 ; Susan G. Stuart
 ; Jeffrey J. Seilamer
 ; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
 ; GENE EXPRESSION
 ; NUMBER OF SEQUENCES: 1508
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSER: INCYTE PHARMACEUTICALS, INC.
 ; STREET: 3174 FORTER DRIVE
 ; CITY: PALO ALTO
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 94304

COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10641,643
 ; FILING DATE: 14-Aug-2003
 ; CLASSIFICATION: <Unknown>
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: <Unknown>
 ; FILING DATE: <Unknown>
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Zeller, Karen J.
 ; REGISTRATION NUMBER: 37,071
 ; REFERENCE/DOCKET NUMBER: PA-0001 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (650) 855-0555
 ; TELEFAX: (650) 845-4166

INFORMATION FOR SEQ ID NO: 1267:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2187 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: GENBANK
 ; CLONE: g30255
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 1267 :

US-10-641-643-1267
 Query Match: 27.4%; Score 547.6; DB 17; Length 2187;
 Best Local Similarity 54.9%; Pred. No. 3.2e-129;
 Matches 846; Conservative 0; Mismatches 449; Indels 9; Gaps 2;

395 CTGGCCCGGCGGACCCAGTGTATCCAAATGCGAGCACACCCCGCCCAAGCCAGGGGA 454
 154 CTGGCCATCCGGTCAGAGATGTATGCCAAGTACACTTCCACGCACTGCCGACGGA 213
 455 GTGGCCCTCCCAAGGGGCGAGTGTACCATCTCGAGGCGCTCGGAGACCAAGCTG 514
 214 CTGGCCCTCTGCAAGGAGAGCTGCTCACCATTGTGGCCGTCAACCAAGGACCCCACTG 273

515 GTACCGCGTCAAGCACCAACACCACTGTGACAGAGGGGCTCTGGCACTGGGCGCTGCG 574
 274 GTACAAAGCCA--AAAACAGAGGTGGCGCGTGGGGCATCATCCAGCACTACTAGTCCA 330
 575 GGAGCGGAGGCGCTCTCCGACAGCCCAAGCTCAGCTCATGCGCTGGTGTCCACGGGAA 634
 331 GAAGCGGAGGCGCTGAAGCGGGTACCAACTCAGCTCATGCTTGGTGTCCACGGGAA 390
 635 GATCTCGGGCCAGAGGCTGTCCAGCAGCTGACGCTCCCGAGGATGGGCTGTTCCTGCT 694
 331 GATCACAGGGAGCAGGCTGAGCGGCTTCTGTACCCGCGGAGACAGAGCTGTTCCTGCT 450
 695 GCGGAGTCCCGCGCGCACCCCGCGACTACCTCTGTGCGTGAAGCTTGGCGCGGACGT 754
 451 GCGGAGAGCACCAACTACCCCGGAGACTACAGCTGTGCGTGAAGCTCGGACGGAAGT 510
 755 CATCACTACCGCTGTGCTGCAACCGGAGGCACTCAATTCGATGAGGCGGCTATTCCT 814
 511 GGAGCACTACCGCATCATGTACCATGCCAGCAAGCTCAGCATCGCAGGAGGTGTACTT 570
 815 CTGCAACCTCATGGACATGGTGGACATTAAGCAAGGACAGAGGCGCTATTCGACCAA 874
 571 TGAGAACCTCATGAGCTGGTGGAGCACTACACCTCAGACGAGATGGAATCTGTACGCG 630
 875 GCTGTGAGACCAAGCGGAAACACGGGACCAAGTCCGCGAGGAGGAGCTGCGCAGGCG 934
 631 CCTCATTAAACCAAGGTCATGGAGGGCACAGTGGCGGCCAGGATGAGTCTACCGCAG 690
 935 GGGCTGGTGTACTGAACCTTGACATTTGACATTTGGGAGCACAGATCGGAGAGGAGT 994
 691 CGGCTGGGCGCTTGACATGAAGAGCTGAGCTGCTGCAGACCATCGGGAAGGGGAGTT 750
 995 TGGAGCTGTCTTCAGGGTGAAGTACTGGGGCAAAAGGTGGCGCTGCAAGATATCAAGTG 1054
 751 CGGAGAGCTGATGTGGCGGATTACCGAGGAAACAAGTGGCGCTCAAGTGCATTAGAA 810
 1055 TATGTGACAGCCAGGCGCTTCTGTGACGAGAGCGGCGCTCATGCAAGATGCAACACGA 1114
 811 CGACGCCACTGCGCCAGGCGCTTCTGTGAGCTGAAGCTCAGTCATGACCACTGGGATAG 870
 1115 GAACCTGGTGGCTCTCTGGGCGTGTATCTTCGACCCAG-----GGGCTGTACATTTGTCAT 1168
 871 CAACCTGGTGGAGCTCTCTGGGCGTGTATCTGTGGAGGAGAGGGCGGCTCTACATCGTCA 930
 1169 GGAGCAGCTGAGCAAGGCGAACTCTGTGAACTTTCTGCGGACCGGGGCTCGAGCCCTCGT 1228
 931 TGAGTACATGGCCAAAGGGGAGCCTTGTGGACTACTCTGCGGTCTAGGGGCTCGGTCAAGTCT 990
 1229 GAACACCGCTCAGCTCTGTGAGTCTTCTGTGACGTCGCGAGGCGCATGGAGTACCTGGA 1288
 991 GGGCGGAGACTGTCTCTCAAGTTCTCGCTAGATGTCTGGAGGCCATGGANATACCTGGA 1050
 1289 GAGCAAGAGCTGTGCAACCGCGACCTTGGCGCGCCCGCAACATCTGTGTCTCAGAGGACCT 1348
 1051 GGGCAACAATTTCTGTGATCGAGACCTTGGCTGCGCGCAATGTGTGTGTCTGAGGACAA 1110
 1349 GGTGGCCCAAGGTACAGCACTTTGGCTGGCCAAAGCCGAGCGGAGGGGTAGACTCAAG 1408
 1111 CGTGGCCCAAGGTACAGCACTTTGGCTGTCTCAACAGAGGCGCTCCAGACCCAGGACACGGG 1170
 1409 CCGGCTGCCGCTCAAGTGGAGCGGCGCGCGGCTCTCAACACGCGGAGGTTCACAGCAA 1468
 1171 CAACCTGCCAGTCAAGTGGAGCGGCGCGGCTTGGGCGCTTGGAGAGGAGAAATTCCTCACTAA 1230
 1469 GTCCGATGTCTGGAGTGTGGGGTGTCTGTCTGGAGAGTCTTCTCATATGACCGGGTCC 1528
 1231 GTCTGAGCTGTGGAGTGTGGGAATCTCTTCTCTGGAATCTACTCTTTGGGCGAGTGGC 1290
 1529 GTACCCCTAAATGTCACTGAAGAGGTGTGAGAGCGCGCTGAGAGAGGGGTACCGCATGA 1588
 1291 TTATCCAAAGATTTCCCTGTGAAGGACGTCTGTCCTCGGCTGGAGAGGGGTACAGATGGA 1350


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QY 1589 ACCCCCGGAGGCTGTCCAGGCGCCGTGCAAGCTCTCATGACAGCTGTGCGAGGCGAGA 1648
Db 1351 TCGCCCGGAGCGCTGCCCGCGCAGTCTATGAAGTCATGAAGAACTGTGCGCACTGGA 1410
QY 1649 GCCCGCGCGCGGCGCACCTTCGCAAACTGCCAGAGCTGG 1692
Db 1411 CGCCGCCATGCGCGCCCTCTCTCATAGCTCCGAGAGAGCTTG 1454

RESULT 15
US-10-388-360-322
; Sequence 322, Application US/10388360
; Publication No. US20030225528A1
; GENERAL INFORMATION:
; APPLICANT: GENOMIC HEALTH
; APPLICANT: Baker, Joffrey B.
; APPLICANT: Cronin, Maureen T.
; APPLICANT: Kiefer, Michael C.
; APPLICANT: Shak, Steve
; APPLICANT: Walker, Michael Graham
; TITLE OF INVENTION: GENE EXPRESSION PROFILING IN BIOPSIED TUMOR TISSUES
; FILE REFERENCE: 39740-0001US
; CURRENT APPLICATION NUMBER: US/10/388,360
; PRIOR FILING DATE: 2003-03-12
; PRIOR APPLICATION NUMBER: US 60/412,049
; PRIOR FILING DATE: 2002-09-18
; PRIOR APPLICATION NUMBER: US 60/364,890
; PRIOR FILING DATE: 2002-03-13
; NUMBER OF SEQ ID NOS: 384
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 322
; LENGTH: 2420
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-388-360-322

Query Match 27.4%; Score 547.6; DB 13; Length 2420;
Best Local Similarity 64.9%; Pred. No. 3.2e-129;
Matches 846; Conservative 0; Mismatches 449; Indels 9; Gaps 2;

QY 395 CTGGCGCGCGGCGACCGAGTGTATCCCAATCGGAGCACACCGCGCCCAAGCGAGGGA 454
Db 433 CTGGCCATCGGTACAGATGTATTGCCAAGTCAACTTCCAGGCACCTGCCGAGCAGGA 492
QY 455 GCTGGGCTTCCGCAAGGGCGACCTGTCTCATTCTCTGGAGCGCTGGAGAACAAAGAGCTG 514
Db 493 CTGTGCTTCTGCAAGGAGAGCTGTCTCATTGTGGCGGTCAACCAAGACCCCAACTG 552
QY 515 GTACCGCGTCAAGCACCAACCGAGTGGACAGGAGGGGCTCTGGCAGCTGGGCGCTGCG 574
Db 553 GTACAAAGCCA---AAAACAAGGTGGGCGCTGAGGGCGATCATCCCAAGCCAACTACGTCCA 609
QY 575 GGAGCGGAGCGCTCTCCGACAGCCCAAGCTCAGCTCATGCGGTGTTCACAGGAA 634
Db 610 GAAGCGGAGGGCGGTGAGCGGGGTACCAAACTCAGGCTCATGCCCTGTGTTCACGGCAA 669
QY 635 GATCTCGGGCGAGAGGCTGTCCAGAGCTGCAAGCTTCCGAGAGTGGGTGTTCGTGT 694
Db 670 GATCACHCGGAGCAGGCTGAGCGGCTGTGTACCCCGCGGAGACAGGCGCTGTTCCTGTG 729
QY 695 GCGGAGTCCGCGCGCGCGCGGAGTACTAGTCTCTGTGCTGAGCTTTGGCGCGAGCT 754
Db 730 GCGGAGAGCACCAGTACCCCGGAGACTACGCTGTGCTGAGCTGCGACGCGCAAGGT 789
QY 755 CATCACTACCGGTGTGCAACCGCGAGCGGCGCTCACAATCGATGAGGCGCGTGTCTT 814
Db 790 GGACGATCTACCGCATCTGTACCATCTGACGAGCAAGCTCAGCATCGACGAGAGGTGTACTT 849
QY 815 CTGCAACCTCATGACATGTTGGAGCATTTACAGCAAGGACAAAGGCGCTATCTGCACAA 874
Db 850 TGAGAACCTCATGAGCTGTTGGAGCACTACACCTCAGACGACATGGACTCTGTACGCG 909
QY 875 GCTGTGAGACCAAAAGCGGAAACAAGGACCAAGTCCGCGGAGGAGGAGCTGGCCAGGGC 934
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Db 910 CTTCAATTAAACCAAGGTCATGAGGGCACAGTGGCGGCCAGGATGAGTTCTTACCGCAG 969
QY 935 GGGCTGTGTACTGAACCTTCAGCATTTGACATTGGAGCACAGATCGGAGAGGGAGGTT 994
Db 970 CGGCTGGCGCTGACATGAAGAGCTGAAGCTGTGCGAGACCATCGGAAGGGGAGTT 1029
QY 995 TGGAGCTGTCTGTGAGGCTGAGTACTGCGGGCAAAAGTGGCGGTGAAGATATCAAGTG 1054
Db 1030 CGGAGACGTGTCTGGCGATTTACCGAGGGAACAAAGTCCGCTCAAGTCATTAAGAA 1089
QY 1055 TGATGTGACAGCCAGGCTTCTGACAGAGCGCGCTCATGACGAAGATGACCAACGA 1114
Db 1090 CGAGCCCATGTCGCCAGGCTTCTGCTGAAGCTCTAGTCATGACGCACTGCGGATAG 1149
QY 1115 GAACCTGTGTCTCTCTGGCGTGAATCTGTCACCAAG-----GGGCTTATCATTTGAT 1168
Db 1150 CAACCTGTGTGAGCTCTCTGGCGTGAATCTGTCAGGAGGAAGGGCGGCTCTACATCTCAC 1209
QY 1169 GGAGCAGTGTGACAGGCGCACTGTGTAACTTTCTGCGGACCGCGGGTCTGAGCCCTCT 1228
Db 1210 TGAGTACATGGCCAAAGGGAGGCTTTGTGAGTACCTGCGGTCTAGGGTCTGCTGCTGAGGACAA 1269
QY 1229 GAACACCGCTCAGCTCTCTGAGTCTTCTCTGACAGTGGCGGAGGCGCATGAGTACCTGGA 1288
Db 1270 GGGCGGAGACTGTCTCTCAAGTTCTCGTACATGTCCTCGAGGCCATGGAATACCTGGA 1329
QY 1289 GAGCAAGAGAGTGTGTCAACCGCGAGCTGCGCCCGCGCAACATCTCTGCTGTCTGAGGACCT 1348
Db 1330 GGGCAACCAATTTCTGTGATCGAGACTGCTGCTGCGCGCATGTGCTGTCTGAGGACAA 1389
QY 1349 GGTGGCGAGGTCAGGAGCTTTGGCTGGCCAAAGCGGAGGCGCTAGACTCAAG 1408
Db 1390 CTTGGCCAGGTCAGGAGCTTTGGTCTCACCAGGAGGCTCCAGACCCAGGACACGGG 1449
QY 1409 CCGGCTGCCCGTCAAGTGGACGCGCGCCGAGGCTCTCAAACACGGGAAGTTCACCGACA 1468
Db 1450 CAAGCTGCCAGTCAAGTGGACAGCCCTGAGGGCTCTGAGAGAGAAATTCCTCACTAA 1509
QY 1469 GTGAGATGTCTGAGTTTGGGTGTGTCTGAGGAGTCTTCTCATATGAGCGGCTCC 1528
Db 1510 GTCTGAGCTGTGAGTTTGGGAATCTTCTCTGGGAATCTACTCTCTTTGGGCGAGTGCC 1569
QY 1529 GTACCTTAATGTCACTGAAGAGGTCGCGAGGCGGTGGAGAGGGGTACCGCATGA 1586
Db 1570 TTATCCAGAAATTCCTCTGAGAGCTGCTCTATGAAGTCATGAAGACTGCTGGCACCTGGA 1629
QY 1589 ACCCCCGGAGGCTGTCCAGGCGCCCTGCAAGCTCTCATGAGCAGCTGTGGGAGGCGAGA 1648
Db 1630 TGCCCGCGAGGCTGCGCGCGGCTCTATGAAGTCATGAAGACTGCTGGCACCTGGA 1689
QY 1649 GCGCGCGCGCGGCGCACTCTTCGCGAAACTGGCGGAGAGAGCTGG 1692
Db 1690 CGCGCGCATGCGGCGCTCTCTTCTACAGCTCCGAGAGAGCTTG 1733
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Search completed: May 21, 2004, 09:29:52

Job time : 885 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 19, 2004, 19:04:17 ; Search time 22 Seconds
(without alignments)
1189.744 Million cells updates/sec

Title: US-09-977-260-2

Perfect score: 2671

Sequence: 1 MAGRGLSLVWAFHCGDSAG.....PASVSGQDAGSTSPRSQEP 507

Scoring table: BLOSUM62

Gapc 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA: *
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3: /cgn2_6/ptodata/2/iaa/6A COMB.pbp: *
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pbp: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2671	100.0	507	4	US-08-426-509A-2
2	2671	100.0	507	4	US-08-232-545-2
3	2671	100.0	507	5	PCT-US95-05008-2
4	2664	99.7	507	2	US-08-604-989A-5
5	2445	91.5	527	4	US-08-315-928-2
6	2444	91.5	466	2	US-08-604-989A-4
7	2434.5	91.1	528	2	US-08-876-882-2
8	2012	75.3	386	4	US-09-741-154-4
9	2012	75.3	415	4	US-09-741-154-2
10	1269	47.5	246	2	US-08-604-989A-3
11	1245.5	46.6	450	4	US-08-426-509A-7
12	1245.5	46.6	450	4	US-08-232-545-7
13	1245.5	46.6	450	4	US-09-470-881-5
14	1245.5	46.6	450	5	PCT-US95-05008-7
15	797	29.8	269	2	US-08-701-191A-35
16	797	29.8	269	4	US-09-664-526-35
17	768	28.8	258	3	US-08-035-706-3
18	768	28.8	258	3	US-08-955-841-3
19	768	28.8	258	4	US-09-330-425-3
20	768	28.8	258	4	US-09-566-906-3
21	742.5	27.8	508	4	US-09-862-154-1
22	742.5	27.8	509	3	US-08-039-555B-17
23	742.5	27.8	509	4	US-08-426-509A-18
24	742.5	27.8	509	4	US-09-457-040B-8
25	742.5	27.8	509	4	US-08-232-545-18
26	742.5	27.8	509	5	PCT-US95-05008-18
27	733	27.4	533	4	US-09-470-881-3

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536 4 US-08-426-509A-13
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4 US-08-426-509A-12

ALIGNMENTS

RESULT 1

US-08-426-509A-2
; Sequence 2, Application US/08426509A
; Patent No. 6326469

; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Irman G.
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
; TITLE OF INVENTION: TYROSINE KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennle & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York,
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711

09/ 977260

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/426,509A
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/232,545
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cortuzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-0074-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 507 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: No. 6326469e
; US-08-426-509A-2

Query Match 100.0%; Score 2671; DB 4; Length 507;
Best Local Similarity 100.0%; Pred. No. 3.le-219;
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MAGRGLSVWRAFHGCDSEELPRVSPRFLRAWHPPPPVSARMPTRWAPGTQCIKCEHT 60
QY 61 RPKPGELAFKRGDVTITLACENKSWYRVKHHTSGOGLLAAGALRERALSADPKLSLM 120
Db 61 RPKPGELAFKRGDVTITLACENKSWYRVKHHTSGOGLLAAGALRERALSADPKLSLM 120
QY 121 PWFHKGISQCEAVQIOPPEDGLFVRESARHPGDYVLCVSGRDVHYRVLRDGHILT 180
Db 121 PWFHKGISQCEAVQIOPPEDGLFVRESARHPGDYVLCVSGRDVHYRVLRDGHILT 180
QY 181 DEAVFFCNLMQVMEHYKDKGAICTKLVRPKRKHGHTKSABEELARAGWLLNLQHLTLGAQ 240
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QY 301 YIVMEHVSCKNLVNFRTGRALVNTAQLQPSLHVAFGMEYLSKKLVHRDLAARNILV 360
Db 301 YIVMEHVSCKNLVNFRTGRALVNTAQLQPSLHVAFGMEYLSKKLVHRDLAARNILV 360
QY 361 SEDLVAKVSDFGGLAKAEKRGDSSSLPVKWTAPALKHGKFTSKSDVMSFGVILWEVFSY 420
Db 361 SEDLVAKVSDFGGLAKAEKRGDSSSLPVKWTAPALKHGKFTSKSDVMSFGVILWEVFSY 420
QY 421 GRAPYPKMSLKEVSEAVEKGYRMEPEPCGPGVHVLMSSCWEAEAPARRPPFRKLAELAR 480
Db 421 GRAPYPKMSLKEVSEAVEKGYRMEPEPCGPGVHVLMSSCWEAEAPARRPPFRKLAELAR 480
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Db 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
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RESULT 2

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US-08-232-545-2
; Sequence 2, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Vikhail
; APPLICANT: Sures, Iman G.
; TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESS: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
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; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 507 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-232-545-2

Query Match
Best Local Similarity 100.0%; Score 2671; DB 4; Length 507;
Matches 507; Conservative C; Mismatches 0; Indels 0; Gaps 0;

QY 1 MAGRGLSVWRAFHGCDSEELPRVSPRFLRAWHPPPPVSARMPTRWAPGTQCIKCEHT 60
Db 1 MAGRGLSVWRAFHGCDSEELPRVSPRFLRAWHPPPPVSARMPTRWAPGTQCIKCEHT 60
QY 61 RPKPGELAFKRGDVTITLACENKSWYRVKHHTSGOGLLAAGALRERALSADPKLSLM 120
Db 61 RPKPGELAFKRGDVTITLACENKSWYRVKHHTSGOGLLAAGALRERALSADPKLSLM 120
QY 121 PWFHKGISQCEAVQIOPPEDGLFVRESARHPGDYVLCVSGRDVHYRVLRDGHILT 180
Db 121 PWFHKGISQCEAVQIOPPEDGLFVRESARHPGDYVLCVSGRDVHYRVLRDGHILT 180
QY 181 DEAVFFCNLMQVMEHYKDKGAICTKLVRPKRKHGHTKSABEELARAGWLLNLQHLTLGAQ 240
Db 181 DEAVFFCNLMQVMEHYKDKGAICTKLVRPKRKHGHTKSABEELARAGWLLNLQHLTLGAQ 240
QY 241 IGEFGFVAVLQGEYLGQKVAVKNIKCDVTAQAFLETAVMTKQCHENLVRLGLVILHQL 300
Db 241 IGEFGFVAVLQGEYLGQKVAVKNIKCDVTAQAFLETAVMTKQCHENLVRLGLVILHQL 300
QY 301 YIVMEHVSCKNLVNFRTGRALVNTAQLQPSLHVAFGMEYLSKKLVHRDLAARNILV 360
Db 301 YIVMEHVSCKNLVNFRTGRALVNTAQLQPSLHVAFGMEYLSKKLVHRDLAARNILV 360
QY 361 SEDLVAKVSDFGGLAKAEKRGDSSSLPVKWTAPALKHGKFTSKSDVMSFGVILWEVFSY 420
Db 361 SEDLVAKVSDFGGLAKAEKRGDSSSLPVKWTAPALKHGKFTSKSDVMSFGVILWEVFSY 420
QY 421 GRAPYPKMSLKEVSEAVEKGYRMEPEPCGPGVHVLMSSCWEAEAPARRPPFRKLAELAR 480
Db 421 GRAPYPKMSLKEVSEAVEKGYRMEPEPCGPGVHVLMSSCWEAEAPARRPPFRKLAELAR 480
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Db 481 ELRSAGAPASVSGQDADGSTSPRSQEP 507
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RESULT 3

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PCT-US95-05008-2
; Sequence 2, Application PC/TUS9505008
; GENERAL INFORMATION:
; APPLICANT: Sugen, Inc.
; APPLICANT: 515 Galveston Drive
; APPLICANT: Redwood City, California 94063-4720
; APPLICANT: United States of America
; APPLICANT: Wissenschaften E.V.
; APPLICANT: Hofgarten Str. 2
; APPLICANT: Munchen 80539
; APPLICANT: Germany
; TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
; TITLE OF INVENTION: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESS: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
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; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/05008
; FILING DATE: 24-APR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/232,545
; FILING DATE: 22-APR-1994
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Cotuzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-074
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 507 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; PCT-US95-05008-2

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Query Match      100.0%; Score 2671; DB 5; Length 507;
Best Local Similarity 100.0%; Pred. No. 3.1e-219;
Matches 507; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MAGGSLVSWRAFGCDSEBELPRVSPRLRAWHPPVPSARMPTRWAPGTQCIKCHHT 60
Db      1 YAGGSLVSWRAFGCDSEBELPRVSPRLRAWHPPVPSARMPTRWAPGTQCIKCHHT 60

QY      61 RPKGELAFKGDVVVTTILEACENKSWYRVKHTSGQGLLAAGALRREALSADPKLSIM 120
Db      61 RPKGELAFKGDVVVTTILEACENKSWYRVKHTSGQGLLAAGALRREALSADPKLSIM 120

QY      121 PWFHGKISGQEAQQLOPPEDGFLVRESARHPGDYVLCVSGFRDVIHYRVLHRDGHITI 180
Db      121 PWFHGKISGQEAQQLOPPEDGFLVRESARHPGDYVLCVSGFRDVIHYRVLHRDGHITI 180

QY      181 DEAVFFCNLMDVMEVHYSKDKGAICTKLVRPKKHGTSABEELARAGWLLNQLHTLGAQ 240
Db      181 DEAVFFCNLMDVMEVHYSKDKGAICTKLVRPKKHGTSABEELARAGWLLNQLHTLGAQ 240

QY      241 IGEFGAVLQGEYLGQKVAVKNIKCDVTAQAFLDETAVMTKMOHENLVRLLGVILHQL 300
Db      241 IGEFGAVLQGEYLGQKVAVKNIKCDVTAQAFLDETAVMTKMOHENLVRLLGVILHQL 300

QY      301 YIVMEHVSXGNLVNFLRTRGRALVNTAQLQFSLHVAEGMEYLSKKLVRDLAARNILV 360
Db      301 YIVMEHVSXGNLVNFLRTRGRALVNTAQLQFSLHVAEGMEYLSKKLVRDLAARNILV 360

QY      361 SEDLVAKVSDPFLAKAERKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSY 420
Db      361 SEDLVAKVSDPFLAKAERKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSY 420

QY      421 GRAPYPMKSLKEVSEAVEKGYRMEPPGCGPVPVHLMSSCWEAEAPARRPPFRKLAELAR 480
Db      421 GRAPYPMKSLKEVSEAVEKGYRMEPPGCGPVPVHLMSSCWEAEAPARRPPFRKLAELAR 480

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RESULT 4

US-08-604-989A-5

; Sequence 5, Application US/08604989A

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; Patent No. 5834208
; GENERAL INFORMATION:
; APPLICANT: Sakano, S.
; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/604,989A
; FILING DATE: February 23, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Charles B. Miller
; REGISTRATION NUMBER: 24,576
; REFERENCE/DOCKET NUMBER: 1920-026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 507 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: human
; STRAIN: UT-7
; US-08-604-939A-5

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Query Match      99.7%; Score 2664; DB 2; Length 507;
Best Local Similarity 99.8%; Pred. No. 1.2e-218;
Matches 506; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db      1 MAGGSLVSWRAFGCDSEBELPRVSPRLRAWHPPVPSARMPTRWAPGTQCIKCHHT 60

QY      61 RPKGELAFKGDVVVTTILEACENKSWYRVKHTSGQGLLAAGALRREALSADPKLSIM 120
Db      61 RPKGELAFKGDVVVTTILEACENKSWYRVKHTSGQGLLAAGALRREALSADPKLSIM 120

QY      121 PWFHGKISGQEAQQLOPPEDGFLVRESARHPGDYVLCVSGFRDVIHYRVLHRDGHITI 180
Db      121 PWFHGKISGQEAQQLOPPEDGFLVRESARHPGDYVLCVSGFRDVIHYRVLHRDGHITI 180

QY      181 DEAVFFCNLMDVMEVHYSKDKGAICTKLVRPKKHGTSABEELARAGWLLNQLHTLGAQ 240
Db      181 DEAVFFCNLMDVMEVHYSKDKGAICTKLVRPKKHGTSABEELARAGWLLNQLHTLGAQ 240

QY      241 IGEFGAVLQGEYLGQKVAVKNIKCDVTAQAFLDETAVMTKMOHENLVRLLGVILHQL 300
Db      241 IGEFGAVLQGEYLGQKVAVKNIKCDVTAQAFLDETAVMTKMOHENLVRLLGVILHQL 300

QY      301 YIVMEHVSXGNLVNFLRTRGRALVNTAQLQFSLHVAEGMEYLSKKLVRDLAARNILV 360
Db      301 YIVMEHVSXGNLVNFLRTRGRALVNTAQLQFSLHVAEGMEYLSKKLVRDLAARNILV 360

QY      361 SEDLVAKVSDPFLAKAERKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSY 420
Db      361 SEDLVAKVSDPFLAKAERKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSY 420

QY      421 GRAPYPMKSLKEVSEAVEKGYRMEPPGCGPVPVHLMSSCWEAEAPARRPPFRKLAELAR 480

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Db 421 GRAPYKMSLKEVSEAVEKGYRMEPPRCGPGPVEVLMSWCWEABPARRPPRKLAEKIAR 490
QY 481 ELRSAGAPASVSGQDADGTSBRSQEP 507
Db 481 ELRSAGAPASVSGQDADGTSBRSQEP 507

RESULT 5

US-09-315-928-2
; Sequence 2, Application US/09315928
; Patent No. 6368796
; GENERAL INFORMATION:
; APPLICANT: Avraham, Hava
; APPLICANT: Grooman, Jerome E.
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT OF
; FILE REFERENCE: NEDH97-01P2Z
; CURRENT APPLICATION NUMBER: US/09/315,928
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: US 08/876,882
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: US 60/035,228
; PRIOR FILING DATE: 1997-01-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-315-928-2

Query Match 91.5%; Score 2445; DB 4; Length 527;
Best Local Similarity 93.5%; Pred. No. 5.8e-200;
Matches 472; Conservative 1; Mismatches 18; Indels 14; Gaps 2;

QY 1 MAGRSLVSWRAFHGCDSEELPRVSPFRLRAWHPPVPSARVPTRWAPGTQCIKCEHT 60
Db 1 MAGRSLVSWRAFHGCDSEELPRVSPFRLRAWHPPVPSARVPTRWAPGTQCIKCEHT 60
QY 61 RPKGELAPRKGDVVTLLEACENKSWYRVKHTSQEGGLAAGALREHLSADPKLSIM 120
Db 61 RPKGELAPRKGDVVTLLEACENKSWYRVKHTSQEGGLAAGALREHLSADPKLSIM 120
QY 121 PWFHCKISGQEAQQPPEDGLFLVRSARHPGDVYLCVSFGRDVHVHVRVLRHGHGTI 180
Db 121 PWFHCKISGQEAQQPPEDGLFLVRSARHPGDVYLCVSFGRDVHVHVRVLRHGHGTI 180
QY 181 DEAVPFCNLMWVEHYKDKGAICTKLVPRKKGHTKGAEEELARAGMLLNLOHLTLGAQ 240
Db 181 DEAVPFCNLMWVEHYKDKGAICTKLVPRKKGHTKGAEEELARAGMLLNLOHLTLGAQ 240
QY 241 IGEFGFAGVLOGEYLGQKQVAVNKKCDVTAQAFLEDTAVMTKQCHENLVRLILGVILHQL 300
Db 241 IGEFGFAGVLOGEYLGQKQVAVNKKCDVTAQAFLEDTAVMTKQCHENLVRLILGVILHQL 300
QY 301 YIVMEHVSCKNLVNFRLTRGRALVNTAQLQPSLHVAGMEYLESKLVHVRDLAARNILV 360
Db 301 YIVMEHVSCKNLVNFRLTRGRALVNTAQLQPSLHVAGMEYLESKLVHVRDLAARNILV 360
QY 361 SEDLVAKVSDRGLAKAERKGLDSSLPVKWTAPALTKGFTSKSDVMSFGVLLWEVFSY 420
Db 361 SEDLVAKVSDRGLAKAERKGLDSSLPVKWTAPALTKGFTSKSDVMSFGVLLWEVFSY 420
QY 421 GRAPYKMSLKEVSEAVEKGYRMEPPRCGPGPVEVLMSWCWEABPARRPPRKLAEKIAR 480
Db 420 GRAPYKMSLKEVSEAVEKGYRMEPPRCGPGPVEVLMSWCWEABPARRPPRKLAEKIAR 480
QY 481 ELRSAGAPASVSGQDADGTSBRSQEP 505
Db 470 ---SANWPRSWEGSVAVQVPQPPSQ 491

RESULT 6

US-08-604-989A-4
; Sequence 4, Application US/08604989A
; Patent No. 5834208
; GENERAL INFORMATION:
; APPLICANT: Sakano, S.
; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/604,989A
; FILING DATE: February 23, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Charles E. Miller
; REGISTRATION NUMBER: 24,576
; REFERENCE/DOCKET NUMBER: 1920-026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 466 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: human
; STRAIN: UT-7
US-08-604-989A-4

Query Match 91.5%; Score 2444; DB 2; Length 466;
Best Local Similarity 100.0%; Pred. No. 5.9e-200;
Matches 466; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 42 MPTRWAPGTQCIKCEHTRPKGELAPRKGDVVTLLEACENKSWYRVKHTSQEGGLA 101
Db 1 MPTRWAPGTQCIKCEHTRPKGELAPRKGDVVTLLEACENKSWYRVKHTSQEGGLA 60
QY 102 AGALRERREALSADPKLSIMPWFHCKISGQEAQQPPEDGLFLVRSARHPGDVYLCVS 161
Db 61 AGALRERREALSADPKLSIMPWFHCKISGQEAQQPPEDGLFLVRSARHPGDVYLCVS 120
QY 162 FGRDVIHVHVRHGHGTIDBAVFCNLMWVEHYKDKGAICTKLVPRKKGHTKGAEE 221
Db 121 FGRDVIHVHVRHGHGTIDBAVFCNLMWVEHYKDKGAICTKLVPRKKGHTKGAEE 180
QY 222 ELASAGMLLNLOHLTLGAQICEGFGFAGVLOGEYLGQKQVAVNKKCDVTAQAFLEDTAVMT 281
Db 181 ELASAGMLLNLOHLTLGAQICEGFGFAGVLOGEYLGQKQVAVNKKCDVTAQAFLEDTAVMT 240
QY 282 KMQHENLVRLILGVILHQLYIVMEHVSCKNLVNFRLTRGRALVNTAQLQPSLHVAGME 341
Db 241 KMQHENLVRLILGVILHQLYIVMEHVSCKNLVNFRLTRGRALVNTAQLQPSLHVAGME 300
QY 342 YLESKLVHVRDLAARNILVSEDLVAKVSDRGLAKAERKGLDSSLPVKWTAPALTKGFT 401
Db 301 YLESKLVHVRDLAARNILVSEDLVAKVSDRGLAKAERKGLDSSLPVKWTAPALTKGFT 360
QY 402 TSKSDVMSFGVLLWEVFSYGRAPYKMSLKEVSEAVEKGYRMEPPRCGPGPVEVLMSWCW 461

Db 361 TSKSDVMSFGVLLMEVFSYGRAPY?KMSLKEVSEAVEKGYRMEPPPCGPGVHVHVMSSCW 420
 QY 462 EABPAPRPPPRKLAELARELSRAGAPASVSGQDAGSTSPRSQEP 507
 Db 421 EABPAPRPPPRKLAELARELSRAGAPASVSGQDAGSTSPRSQEP 466

RESULT 7
 US-08-876-882-2
 ; Sequence 2, Application US/06876882
 ; Patent No. 5981201
 ; GENERAL INFORMATION:
 ; APPLICANT: Avraham, Hava
 ; APPLICANT: Grohman, Jerome E.
 ; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT
 ; TITLE OF INVENTION: OF BREAST CANCER
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Hamilton, Brook, Smith & Reynolds P.C.
 ; STREET: Two Militia Drive
 ; CITY: Lexington
 ; STATE: VA
 ; COUNTRY: USA
 ; ZIP: 02173-4799
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: Windows
 ; SOFTWARE: FastSeq for Windows Version 2.0b
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/876,882
 ; FILING DATE: 16-JUN-1997
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: 60/035,228
 ; FILING DATE: 08-JAN-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Doreen, Fogle M
 ; REGISTRATION NUMBER: 36,361
 ; REFERENCE/DOCKET NUMBER: NEDH97-01pa
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 781-861-6240
 ; TELEFAX: 781-861-9540
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 528 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; FRAGMENT TYPE: internal
 US-08-876-882-2

Query Match 91.1%; Score 2434.5; DB 2; Length 528;
 Best Local Similarity 93.3%; Pred. No. 4.5e-199;
 Matches 472; Conservative 1; Mismatches 16; Indels 15; Gaps 3;

QY 1 MAGGSLVSWZAFHCCDSAEELPRVSPFLZAWHPPVPSARMPTRRWAPGTCITKCEHT 60
 Db 1 MAGGSLVSWZAFHCCDSAEELPRVSPFLZAWHPPVPSARMPTRRWAPGTCITKCEHT 60

QY 61 RPKFGELAFKRGDVVTI-LEACENKSWYRVKHHTSGQGLLAAGALRERALSADPKLSL 119
 Db 61 RPKFGELAFKRGDVVTI-LEACENKSWYRVKHHTSGQGLLAAGALRERALSADPKLSL 120

QY 120 MPWFHGKISGQEAQQQLPPEDGGLFLVRESARHPDGYVLCVSFGRDVHVHVRDGHILT 179
 Db 121 MPWFHGKISGQEAQQQLPPEDGGLFLVRESARHPDGYVLCVSFGRDVHVHVRDGHILT 180

QY 180 IDEAVFCNLMDVMEHYSHKDKGACTKLVRPKRKHGTSKAEELARAGWLNLQHLTLGA 239
 Db 181 IDEAVFCNLMDVMEHYSHKDKGACTKLVRPKRKHGTSKAEELARAGWLNLQHLTLGA 240

QY 240 QIGEGFAGVLCGEYLQGVAVVNIKCDVTAQAFDLDTAVMTKQKHENLVRLGLVILHQG 299
 Db 241 QIGEGFAGVLCGEYLQGVAVVNIKCDVTAQAFDLDTAVMTKQKHENLVRLGLVILHQG 300

QY 300 LYIVMEHVSNGNLVNLRTGRALVNTAQLQFSLHVAEGMEYLESKLVHRDLAARNIL 359
 Db 301 LYIVMEHVSNGNLVNLRTGRALVNTAQLQFSLHVAEGMEYLESKLVHRDLAARNIL 360

QY 360 VSEDLVAKVSDFGIAKAERKGLDSSSLPVKWTAPALKHGKFTSKSDVMSFGVLLMEVFS 419
 Db 361 VSEDLVAKVSDFGIAKAERKGLDSSSLPVKWTAPALKHG-FTSKSDVMSFGVLLMEVFS 419

QY 420 YGRAPYPMKSLKEVSEAVEKGYRMEPPPCGPGVHVHVMSSCWBAEPARRPPPRKLAEKLA 479
 Db 420 YGRAPYPMKSLKEVSEAVEKGYRMEPPPCGPGVHVHVMSSCWBAEPARRPPPRKLAEKLA 470

QY 480 RELRSAGAPASVSGQDAGSTSPRSQ 505
 Db 471 ----SANNRPSWPGSYAVQVPPPSQ 492

RESULT 8
 US-09-741-154-4
 ; Sequence 4, Application US/09741154
 ; Patent No. 6437110
 ; GENERAL INFORMATION:
 ; APPLICANT: BRASLEY, Ellen M. et al
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
 ; TITLE OF INVENTION: THEREOF
 ; FILE REFERENCE: CL001061
 ; CURRENT APPLICATION NUMBER: US/09/741,154
 ; CURRENT FILING DATE: 2000-12-21
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 4
 ; LENGTH: 386
 ; TYPE: PRT
 ; ORGANISM: Human
 US-09-741-154-4

Query Match 75.3%; Score 2012; DB 4; Length 386;
 Best Local Similarity 100.0%; Pred. No. 2.8e-163;
 Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 122 WFHGKISGQEAQQQLPPEDGGLFLVRESARHPDGYVLCVSFGRDVHVHVRDGHILTID 181
 Db 1 WFHGKISGQEAQQQLPPEDGGLFLVRESARHPDGYVLCVSFGRDVHVHVRDGHILTID 60

QY 132 EAVFPCNLMDVMEHYSHKDKGACTKLVRPKRKHGTSKAEELARAGWLNLQHLTLGAQI 241
 Db 51 EAVFPCNLMDVMEHYSHKDKGACTKLVRPKRKHGTSKAEELARAGWLNLQHLTLGAQI 120

QY 242 GEGEFAGVLCGEYLQGVAVVNIKCDVTAQAFDLDTAVMTKQKHENLVRLGLVILHQGLY 301
 Db 121 GEGEFAGVLCGEYLQGVAVVNIKCDVTAQAFDLDTAVMTKQKHENLVRLGLVILHQGLY 180

QY 302 IVMEHVSNGNLVNLRTGRALVNTAQLQFSLHVAEGMEYLESKLVHRDLAARNILVS 361
 Db 181 IVMEHVSNGNLVNLRTGRALVNTAQLQFSLHVAEGMEYLESKLVHRDLAARNILVS 240

QY 362 EDLVAKVSDFGIAKAERKGLDSSSLPVKWTAPALKHGKFTSKSDVMSFGVLLMEVFSYG 421
 Db 241 EDLVAKVSDFGIAKAERKGLDSSSLPVKWTAPALKHGKFTSKSDVMSFGVLLMEVFSYG 300

QY 422 RPYPMKSLKEVSEAVEKGYRMEPPPCGPGVHVHVMSSCWBAEPARRPPPRKLAEKLA 481
 Db 301 RPYPMKSLKEVSEAVEKGYRMEPPPCGPGVHVHVMSSCWBAEPARRPPPRKLAEKLA 360

QY 482 LRSAGAPASVSGQDAGSTSPRSQEP 507
 Db 361 LRSAGAPASVSGQDAGSTSPRSQEP 386

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RESULT 9
US-09-741-154-2
; Sequence 2, Application US/09741154
; Patent No. 6437110
; GENERAL INFORMATION:
; APPLICANT: BEASLEY, Ellen M. et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; THEREOF
; FILE REFERENCE: CL001061
; CURRENT APPLICATION NUMBER: US/09/741,154
; CURRENT FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Human
US-09-741-154-2

Query Match          75.3%; Score 2012; DB 4; Length 415;
Best Local Similarity 100.0%; Pred. No. 3.1e-163;
Matches 386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 122 WHCKISGOEAVCOLOPPEDGLFLVRESARHPGCDYVLCVSFGRDVIHYRVLRDGHLLTD 181
DB 30 WFEKISGOEAVCOLOPPEDGLFLVRESARHPGCDYVLCVSFGRDVIHYRVLRDGHLLTD 89

QY 182 EAVFFCNLMDVVEHYSKDGAICTLVRPKRKHGTSABEELARAGWLLNQLHLLTGAOI 241
DB 90 EAVFFCNLMDVVEHYSKDGAICTLVRPKRKHGTSABEELARAGWLLNQLHLLTGAOI 149

QY 242 GGEFGAVLQGEYLGOKVAVKNIKCDVTAQAFLDETAVMTKQHENLVRLGLVILHQQGLY 301
DB 150 GGEFGAVLQGEYLGOKVAVKNIKCDVTAQAFLDETAVMTKQHENLVRLGLVILHQQGLY 209

QY 302 IYMEHVSCKNLVNFLETRGRALVNTAQLIQFSLHVAEGMEYLESKKLVRDLAARNILVS 361
DB 210 IYMEHVSCKNLVNFLETRGRALVNTAQLIQFSLHVAEGMEYLESKKLVRDLAARNILVS 269

QY 362 EDLVAKVSDFGLAKAEKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSYG 421
DB 270 EDLVAKVSDFGLAKAEKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGVLLWEVFSYG 329

QY 422 RAPIYRMSLKEVSEAVEKGYRMEPEPCGCPVHVLMSQWEAEPAARPPFRKLAKLARE 481
DB 330 RAPIYRMSLKEVSEAVEKGYRMEPEPCGCPVHVLMSQWEAEPAARPPFRKLAKLARE 389

QY 482 LRSAGAPASVSGDADGSTSPRSQBP 507
DB 390 LRSAGAPASVSGDADGSTSPRSQBP 415

RESULT 10
US-09-604-989A-3
; Sequence 3, Application US/08604989A
; Patent No. 5834208
; GENERAL INFORMATION:
; APPLICANT: Sakano, S.
; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:

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; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/604,989A
; FILING DATE: February 23, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Charles E. Miller
; REGISTRATION NUMBER: 24,576
; REFERENCE/DOCKET NUMBER: 1920-026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: human
; STRAIN: UT-7
US-08-604-989A-3

Query Match          47.5%; Score 1269; DB 2; Length 246;
Best Local Similarity 100.0%; Pred. No. 2.8e-100;
Matches 246; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 233 QHLTGAQIGEGEFGAVLQGEYLGOKVAVKNIKCDVTAQAFLDETAVMTKQHENLVRL 292
DB 1 QHLTGAQIGEGEFGAVLQGEYLGOKVAVKNIKCDVTAQAFLDETAVMTKQHENLVRL 60

QY 293 GVILHQGLYIYMEHVSCKNLVNFLETRGRALVNTAQLIQFSLHVAEGMEYLESKKLVRHD 352
DB 61 GVILHQGLYIYMEHVSCKNLVNFLETRGRALVNTAQLIQFSLHVAEGMEYLESKKLVRHD 120

QY 353 LAARNILVSEDILVAKVSDFGLAKAEKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGV 412
DB 121 LAARNILVSEDILVAKVSDFGLAKAEKGLDSSRLPVKWTAPALKHGKFTSKSDVMSFGV 180

QY 413 LLWEVFSYGRAPYRMSLKEVSEAVEKGYRMEPEPCGCPVHVLMSQWEAEPAARPPFR 472
DB 181 LLWEVFSYGRAPYRMSLKEVSEAVEKGYRMEPEPCGCPVHVLMSQWEAEPAARPPFR 240

QY 473 KLAEKL 478
DB 241 KLAEKL 246

RESULT 11
US-08-426-509A-7
; Sequence 7, Application US/08426509A
; Patent No. 6326469
; GENERAL INFORMATION:
; APPLICANT: Ulrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Irman G.
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
; TITLE OF INVENTION: TYROSINE KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York,
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/08/426.509A
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/232.545
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-0074-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 450 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: No. 6326459e
; US-08-426-509A-7

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Query Match 46.6%; Score 1245.5; DB 4; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.3e-98;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

```

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QY 47 WAPGTCITKCEHTRPKGELARFGDVVTILEACENKSWRVKHTSGOGLLAAGALR 106
DB 8 WPSGTECIANKYHFGTAEOQLPCKGCVLTIVAVTKDPNWKAKNKV-GREGIIPANYVQ 66
QY 107 EREALSADPKLSIMPWFHKGISQEAQQQLPPEDGGLFVRESARHPGDVYLCVSFGRDY 166
DB 67 KREGVKAGTKLSIMPWFHKGITREQAERLLYPETGLFVRESINPGDITLVCSDCKV 126
QY 167 IYRVLRHDLHILTDIAVFFCNLMWVHYSKDKGAICTKLVRPKRKHGTSABEELARA 226
DB 127 EHYRIMYHASKLSIDBEVYFENLMQJVEHYTSDADGLCTRLIKPKVMEGVAAQDEFYRS 186
QY 227 GWLLNLQHLTLGAQIGEGEFGVLOGEYLGOKVAVKNIKCDVTAQAFIDETAQNTKQHE 286
DB 187 GWALNKKELKLTOTIGKEFGDVMLGDRGNKVAVKICNDATAQAFLAASVMTQLRHS 246
QY 287 NLVRLGLVILHQ--GLYIVMEHVS KGNLVNFLRTRGRALVNTAQLLOFSLHVAEGMEYLE 344
DB 247 NLVQLGLVIVEEGGLYIVTEYMAKGSIVDYLRSRGSVLGGCDLLKFSLDVCEAMEYLE 306
QY 345 SKKLVRDLAARNILVSEDLVAKVSDPGLAKAERKGLDSSRLFPVKWTAPALKHGKFTSK 404
DB 307 GNNFVHRDLAARNVLVSEDNVAKVSDPGLTKEASSTQDTGKLPVKWTAPALREKKEFTSK 366
QY 405 SDVWSFGVLLWEVFSYGRAPYKMSLKEYSEAVEKGYRMEPPGCGPQVHVLMSSCWEAB 464
DB 367 SDVWSFGILLWEIYSGRVYPIPLKDVVPRVEKGYKMDAPDGCPPAVYEVKMKNCWHL 426
QY 465 PARPPFRKLAELK 478
DB 427 AAMRPSFQLRQOL 440

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RESULT 12
US-08-232-545-7
; Sequence 7, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Irtan G.
; TITLE OF INVENTION: No. 6506578e1 Megakaryocytic Protein Tyrosine
; NUMBER OF INVENTIONS: Kinases
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds

```

```

; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232.545
; FILING DATE: 22-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-050
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 450 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-232-545-7

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Query Match 46.6%; Score 1245.5; DB 4; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.3e-98;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

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QY 47 WAPGTCITKCEHTRPKGELARFGDVVTILEACENKSWRVKHTSGOGLLAAGALR 106
DB 8 WPSGTECIANKYHFGTAEOQLPCKGCVLTIVAVTKDPNWKAKNKV-GREGIIPANYVQ 66
QY 107 EREALSADPKLSIMPWFHKGISQEAQQQLPPEDGGLFVRESARHPGDVYLCVSFGRDY 166
DB 67 KREGVKAGTKLSIMPWFHKGITREQAERLLYPETGLFVRESINPGDITLVCSDCKV 126
QY 167 IYRVLRHDLHILTDIAVFFCNLMWVHYSKDKGAICTKLVRPKRKHGTSABEELARA 226
DB 127 EHYRIMYHASKLSIDBEVYFENLMQJVEHYTSDADGLCTRLIKPKVMEGVAAQDEFYRS 186
QY 227 GWLLNLQHLTLGAQIGEGEFGVLOGEYLGOKVAVKNIKCDVTAQAFIDETAQNTKQHE 286
DB 187 GWALNKKELKLTOTIGKEFGDVMLGDRGNKVAVKICNDATAQAFLAASVMTQLRHS 246
QY 287 NLVRLGLVILHQ--GLYIVMEHVS KGNLVNFLRTRGRALVNTAQLLOFSLHVAEGMEYLE 344
DB 247 NLVQLGLVIVEEGGLYIVTEYMAKGSIVDYLRSRGSVLGGCDLLKFSLDVCEAMEYLE 306
QY 345 SKKLVRDLAARNILVSEDLVAKVSDPGLAKAERKGLDSSRLFPVKWTAPALKHGKFTSK 404
DB 307 GNNFVHRDLAARNVLVSEDNVAKVSDPGLTKEASSTQDTGKLPVKWTAPALREKKEFTSK 366
QY 405 SDVWSFGVLLWEVFSYGRAPYKMSLKEYSEAVEKGYRMEPPGCGPQVHVLMSSCWEAB 464
DB 367 SDVWSFGILLWEIYSGRVYPIPLKDVVPRVEKGYKMDAPDGCPPAVYEVKMKNCWHL 426
QY 465 PARPPFRKLAELK 478
DB 427 AAMRPSFQLRQOL 440

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RESULT 13
US-09-470-881-5
; Sequence 5, Application US/09470881
; Patent No. 6685938
; GENERAL INFORMATION:

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/ APPLICANT: CHERESH, David A.
/ APPLICANT: ELICEIRI, Brian
/ TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR MODULATION OF
/ TITLE OF INVENTION: ANGIOGENESIS AND VASCULAR PERMEABILITY USING SRC OR
/ TITLE OF INVENTION: YES TYROSINE KINASES
/ FILE REFERENCE: TSRI 651.2
/ CURRENT APPLICATION NUMBER: US/09/470,881
/ CURRENT FILING DATE: 1999-12-22
/ PRIOR APPLICATION NUMBER: PCT/US99/11780
/ PRIOR FILING DATE: 1999-05-28
/ PRIOR APPLICATION NUMBER: 60/087,220
/ PRIOR FILING DATE: 1998-05-29
/ NUMBER OF SEQ ID NOS: 8
/ SOFTWARE: PatentIn Ver. 2.0
/ SEQ ID NO 5
/ LENGTH: 450
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/
US-09-470-881-5

Query Match 46.6%; Score 1245.5; DB 4; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.3e-98;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGTCITKCEHTRPKPGSLARFGDVVTILEACENKSWYRVKHTSGOGLAAGALR 106
Db 8 WPSGTETIAKYNFHGTAEOQLPFCGVDLTIIVAVTKDPNWKAKNKV-GREGIIPANYVQ 66
QY 107 EREALSADPKLSMPWFHFGKISQEAVALQQLPPEDGLFLVRESARHPGDYVLCVSFGRDV 166
Db 67 KREGVXAGTKLSMPWFHFGKITREQAERLLYPETGLFLVRESINYPGDYTLCVSCDGKV 126
QY 167 IHYRVLHRDGLHTIDRAVFFCNLMQWVHYSKDKGAICTKLVRPKRKHGKTSABEELARA 226
Db 127 EHYRINYHASKLSIDBEVYFENLMQVHEHTSDADGLCTRLIKPKVMEGTVAQAQDEFYRS 186
QY 227 GWLLNLQHLTLGAQIGSGFAGVLQGEYLGQKVAVKNIKCDVTAAQFLDETAVMTKMOHE 286
Db 187 GWALNKKELKLLQTIKGFGDVMGLDYRGKNAVKCNKNDATAQAFLAASVMTQLRS 246
QY 287 NLVRLGLVILHQ--GLYIVMEHVSCKNLVNTLRTGRALVNTAQLLQFLSHVAEGMEYLE 344
Db 247 NLVQLLGVIVEKGGIYIVTEYNAKSLVDYLSRGSVGLGDCLLKFSLDVCEAMEYLE 306
QY 345 SKKLVRDLAARNILVSDILVAKVSDFLGAKERKGLDSSRLPVKWTAPALKHGKFTSK 404
Db 307 GNNFVHRDLAARNVLVSDNVAKVSDFLGKTSASSTQDTGKLPVKWTAPALREKKFTSK 366
QY 405 SDVWSFGVLLWEVPSYGRAPYKMSLKEYSBAVEKGYRMEPEGCGPVPVHLMSSCWEAE 464
Db 367 SDVWSFGILLWEIYSFGRVPYPRIPKDVVPRVEKGYKMDADPGCPPAVIEVWKNCWILD 426
QY 465 PARPPFRKLAEL 478
Db 427 AAMRPSFLQRL 440

RESULT 14
PCT-US95-05008-7
Sequence 7, Application PC/TUS9505008
GENERAL INFORMATION:
/ APPLICANT: Sugen, Inc.
/ APPLICANT: 515 Gaiveston Drive
/ APPLICANT: Redwood City, California 94063-4720
/ APPLICANT: United States of America
/ APPLICANT: Wissenschaften E.V.
/ APPLICANT: Hofgarten Str. 2
/ APPLICANT: Munchen 80539
/ APPLICANT: Germany
/ TITLE OF INVENTION: Novel Megakaryocytic Protein Tyrosine
/ TITLE OF INVENTION: Kinases
/ NUMBER OF SEQUENCES: 21
/ CORRESPONDENCE ADDRESS:
```

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/ ADDRESSEE: Pernie & Edmonds
/ STREET: 1155 Avenue of the Americas
/ CITY: New York
/ STATE: New York
/ COUNTRY: U.S.A.
/ ZIP: 10036
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: PCT/US95/05008
/ FILING DATE: 24-APR-1995
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/232,545
/ FILING DATE: 22-APR-1994
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Coruzzi, Laura A.
/ REGISTRATION NUMBER: 30,742
/ REFERENCE/DOCKET NUMBER: 7683-074
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (212)790-9090
/ TELEFAX: (212)869-9741
/ TELEX: 66141 PENNTE
/ INFORMATION FOR SEQ ID NO: 7:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 450 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: unknown
/ TOPOLOGY: unknown
/ MOLECULE TYPE: protein
/
PCT-US95-05008-7
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Query Match 46.6%; Score 1245.5; DB 5; Length 450;
Best Local Similarity 54.1%; Pred. No. 6.3e-98;
Matches 235; Conservative 81; Mismatches 115; Indels 3; Gaps 2;

QY 47 WAPGTCITKCEHTRPKPGSLARFGDVVTILEACENKSWYRVKHTSGOGLAAGALR 106
Db 8 WPSGTETIAKYNFHGTAEOQLPFCGVDLTIIVAVTKDPNWKAKNKV-GREGIIPANYVQ 66
QY 107 EREALSADPKLSMPWFHFGKISQEAVALQQLPPEDGLFLVRESARHPGDYVLCVSFGRDV 166
Db 67 KREGVXAGTKLSMPWFHFGKITREQAERLLYPETGLFLVRESINYPGDYTLCVSCDGKV 126
QY 167 IHYRVLHRDGLHTIDRAVFFCNLMQWVHYSKDKGAICTKLVRPKRKHGKTSABEELARA 226
Db 127 EHYRINYHASKLSIDBEVYFENLMQVHEHTSDADGLCTRLIKPKVMEGTVAQAQDEFYRS 186
QY 227 GWLLNLQHLTLGAQIGSGFAGVLQGEYLGQKVAVKNIKCDVTAAQFLDETAVMTKMOHE 286
Db 187 GWALNKKELKLLQTIKGFGDVMGLDYRGKNAVKCNKNDATAQAFLAASVMTQLRS 246
QY 287 NLVRLGLVILHQ--GLYIVMEHVSCKNLVNTLRTGRALVNTAQLLQFLSHVAEGMEYLE 344
Db 247 NLVQLLGVIVEKGGIYIVTEYNAKSLVDYLSRGSVGLGDCLLKFSLDVCEAMEYLE 306
QY 345 SKKLVRDLAARNILVSDILVAKVSDFLGAKERKGLDSSRLPVKWTAPALKHGKFTSK 404
Db 307 GNNFVHRDLAARNVLVSDNVAKVSDFLGKTSASSTQDTGKLPVKWTAPALREKKFTSK 366
QY 405 SDVWSFGVLLWEVPSYGRAPYKMSLKEYSBAVEKGYRMEPEGCGPVPVHLMSSCWEAE 464
Db 367 SDVWSFGILLWEIYSFGRVPYPRIPKDVVPRVEKGYKMDADPGCPPAVIEVWKNCWILD 426
QY 465 PARPPFRKLAEL 478
Db 427 AAMRPSFLQRL 440
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RESULT 15

US-08-701-191A-35
; Sequence 35, Application US/08701191A
; Patent No. 5942428
; GENERAL INFORMATION:
; APPLICANT: Moosa Mohammadi, Joseph Schlessinger,
; APPLICANT: and Stevan R. Hubbard
; TITLE OF INVENTION: CRYSTALS OF THE TYROSINE KINASE DOMAIN
; TITLE OF INVENTION: OF NON-INSULIN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FASTSEQ for Windows 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08701,191A
; FILING DATE: August 21, 1996
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 227/083
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 269 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-701-191A-35

Query Match 29.8%; Score 797; DB 2; Length 269;
Best Local Similarity 58.7%; Pred. No. 4.9e-60;
Matches 152; Conservative 46; Mismatches 59; Indels 2; Gaps 1;

QY 222 ELARAGWLLMLQHTLGAQIGBGFAGVLOGEYLGQKVAVKNTKCDVTAQAFLEDAVMT 281
Db 1 EFYRSGWALNMKELKLQTTIGKGFQDMLGYRGNKVAVKICNDATAQAFLAEASVMT 60

QY 282 KVOHENLVRLLGVILHQ--GLYIVMEHVSCKNLVNFLETRGALVNTAQLQPSLHVAEG 339
Db 61 QLRHSLVQLGLVVEKGGGLYIVTETNAGKSLVDYLRSGRSLVGGDCILKPSLDVCEA 120

QY 340 MEYLESKKLVHRDIAARNILVSEDLVAKVSDFGAKAERKGLDSSRLPVKWTAPALKHG 399
Db 121 MEYLEGNVFNVRDIAARNVLSNEDVAKVSDFGITKEASSTQDTGKLPVKWTAPALREK 180

QY 400 KFTSKSDVWGFVLLWVFYGRAPYPMSLKEVSEAEVKEGYRMEPPGCGPVPVLMSS 459
Db 181 KFTSKSDVWGFVLLWVFYGRAPYPMSLKEVSEAEVKEGYRMEPPGCGPVPVLMSS 459

QY 460 CWAEAEPRPPPRKLAETL 478
Db 241 CWHLDAAMRPSFLQLREQL 259

Search completed: May 19, 2004, 19:10:15
Job time : 25 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: May 21, 2004, 04:35:39 ; Search time 153 Seconds
(without alignments)
7254.260 Million cell updates/sec

Title: US-09-977-260-1

Perfect score: 2000

Sequence: 1 ctccgtcccaagtgtgcagc.....attctaaggactctataaaaa 2000

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents NA:*
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 - 2: /cgn2_6/prodata/2/ina/5A COMB.seq:*
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 - 4: /cgn2_6/prodata/2/ina/5A COMB.seq:*
 - 5: /cgn2_6/prodata/2/ina/PTUS COMB.seq:*
 - 6: /cgn2_6/prodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2000	100.0	2000	4	US-08-426-509A-1
2	2000	100.0	2000	4	US-08-232-545-1
3	2000	100.0	2000	5	PCT-US95-05008-1
4	1909.8	95.5	1987	2	US-08-876-882-1
5	1909.8	95.5	1987	4	US-09-315-928-1
6	1909.8	95.5	1987	4	US-09-023-655-1409
7	1909.4	95.2	1942	2	US-08-604-989A-11
8	1519.4	76.0	1521	2	US-08-604-989A-10
9	1398	69.9	1398	2	US-08-604-989A-9
10	1377	68.8	1713	4	US-09-741-154-1
11	738	36.9	738	2	US-08-604-989A-8
12	547.6	27.4	2187	4	US-09-023-655-1267
13	547.6	27.4	2187	4	US-09-470-881-4
14	455	22.8	16389	4	US-09-741-154-3
15	225	11.2	225	2	US-08-604-989A-7
16	212.4	10.6	1611	1	US-07-820-011A-3
17	212.4	10.6	1611	4	US-09-860-473-3
18	212.4	10.6	1611	5	PCT-US93-00445-3
19	199.2	10.0	1602	1	US-07-820-011A-1
20	199.2	10.0	1602	5	PCT-US93-00445-1
21	197.6	9.9	1759	4	US-09-470-881-2
22	193.4	9.7	1626	4	US-09-860-473-10
23	192.6	9.6	2015	4	US-09-023-655-1105
24	192	9.6	192	2	US-08-604-989A-6
25	185	9.2	1574	3	US-09-173-581-6
26	185	9.2	1574	3	US-09-420-915-12
27	184.6	9.2	2354	4	US-09-023-655-1080

28	131.8	9.1	3623	1	US-08-306-691B-35	Sequence 35, Appl
29	170.4	8.5	1467	4	US-09-579-182-2	Sequence 2, Appl
30	158.8	8.4	1548	4	US-09-099-053-1	Sequence 1, Appl
31	155.8	8.3	2674	4	US-09-817-180-1	Sequence 1, Appl
32	155.8	8.3	2674	4	US-10-003-295-1	Sequence 1, Appl
33	162	8.1	5993	3	US-09-383-630-1	Sequence 1, Appl
34	162	8.1	5993	3	US-09-383-630-2	Sequence 2, Appl
35	155.6	7.8	2298	4	US-09-023-655-1158	Sequence 1158, Ap
36	151.2	7.6	2647	4	US-09-220-132-77	Sequence 77, Appl
37	151.2	7.6	2647	5	PCT-US93-06251-77	Sequence 77, Appl
38	148.8	7.4	2049	4	US-09-099-749-10	Sequence 10, Appl
39	148.8	7.4	2433	4	US-09-520-312D-830	Sequence 830, App
40	148.8	7.4	2598	4	US-09-417-197-110	Sequence 110, App
41	148.8	7.4	2616	4	US-09-417-197-108	Sequence 1313, Ap
42	148	7.4	2435	4	US-09-023-655-1313	Sequence 1, Appl
43	148	7.3	2469	1	US-08-459-296-1	Sequence 4, Appl
44	146.4	7.3	933	2	US-08-701-191A-4	Sequence 4, Appl
45	146.4	7.3	933	4	US-09-664-526-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1
US-08-426-509A-1
; Sequence 1, Application US/08426509A
; Patent No. 6326469
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Gishizsky, Mikhail
; APPLICANT: Sures, Irfan G.
; TITLE OF INVENTION: NOVEL MEGAKARYOCYTIC PROTEIN
; TITLE OF INVENTION: TYROSINE KINASES
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York,
; STATE: NY
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/426,509A
; FILING DATE: 21-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/232,545
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-0074-999
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-790-9090
; TELEFAX: 212-869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2000 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
US-08-426-509A-1

Query Match 100.0% Score 2000; DB 4; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTGCTCCAAAGTTGTGAGACCGCGGACCGCTCGGGGTTGTCACCGGCTCGCGAGGCC 60
DB 1 CTGCTCCAAAGTTGTGAGACCGCGGACCGCTCGGGGTTGTCACCGGCTCGCGAGGCC 60
QY 61 TCCGTGGGGCGGGCGGGCGGCTCGGGGCGGCCCTCGAGCAGAAACAGGAAAC 120
DB 61 TCCGTGGGGCGGGCGGGCGGCTCGGGGCGGCCCTCGAGCAGAAACAGGAAAC 120
QY 121 AGCTCGGTCCAGTGGACACCCAGTCCCTACCTCTGTGCGACCGCCCTGGCCCTGGGA 180
DB 121 AGCTCGGTCCAGTGGACACCCAGTCCCTACCTCTGTGCGACCGCCCTGGCCCTGGGA 180
QY 181 GGCATTCCTCAGCGTCCCGACCTCTGACACCTTGTCTCAGTGTGCTCTCAGTGTGCTCAG 240
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QY 241 TTTTCCCTCGGGGGGATGGCGGGCGAGGCTCTCTGCTTCCCTGGCGGGGATTTTCAAG 300
DB 241 TTTTCCCTCGGGGGGATGGCGGGCGAGGCTCTCTGCTTCCCTGGCGGGGATTTTCAAG 300
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DB 361 CCCCTCCCTCTCAGCAGGATGCGACAGAGGCTGGGCCCGGCGACCCAGTGTATCA 420
QY 421 CCAATTCGAGGACACCCCGCCCAAGCCAGGGGAGCTGGCCCTTCCCAAGGGCGAGCTGG 480
DB 421 CCAATTCGAGGACACCCCGCCCAAGCCAGGGGAGCTGGCCCTTCCCAAGGGCGAGCTGG 480
QY 481 TACACCTCTGAGGCTCGGAGAACAGAGTGTACCGGTCAAGCACCACACAGTG 540
DB 481 TACACCTCTGAGGCTCGGAGAACAGAGTGTACCGGTCAAGCACCACACAGTG 540
QY 541 GACAGAGGGGCTGTGGCAGCTGGGCGCTGGGGAGCGGAGGCCCTCTCCGACAGC 600
DB 541 GACAGAGGGGCTGTGGCAGCTGGGCGCTGGGGAGCGGAGGCCCTCTCCGACAGC 600
QY 601 CCAAGCTCAGCCTCAATCGATGAGGCGGTTCACCGGGAAGATCTCGGCGCCAGGAGGTGCCAG 660
DB 601 CCAAGCTCAGCCTCAATCGATGAGGCGGTTCACCGGGAAGATCTCGGCGCCAGGAGGTGCCAG 660
QY 661 AGCTGAGCCTCCGAGGATGGCTTCTCTGTGCGGAGTCCGCGGCCACCCCGGG 720
DB 661 AGCTGAGCCTCCGAGGATGGCTTCTCTGTGCGGAGTCCGCGGCCACCCCGGG 720
QY 721 ACTAGCTCTGTCGAGCTTGGCGGAGCTGATCCACTACCGCTGCTGCACCGG 780
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QY 781 ACGGCCACTCAATCGATGAGGCGGTTCCTCTGCAACCTCATGGACATGGTGGAGC 840
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QY 841 ATTACAGCAGACAGGCGCTATCTGCAACAGCTGTGTGAGACCAAGCGGAAACAG 900
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QY 901 GGACCAAGTCGCGGAGGAGGCTGGCCAGGCGGCTGGTTACTGAACCTGACGAT 960
DB 901 GGACCAAGTCGCGGAGGAGGCTGGCCAGGCGGCTGGTTACTGAACCTGACGAT 960
QY 961 TCACATTGGAGCAGATCGGAGAGGAGATTTGGAGCTCTCTGACAGGATGATAC 1020
DB 961 TCACATTGGAGCAGATCGGAGAGGAGATTTGGAGCTCTCTGACAGGATGATAC 1020
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DB 1021 TGGGGCAAGAGTGGCGGTGAAGATATCAAGTGTGATGACGCCAGGCGCTTCTG 1080
QY 1081 ACGAGACGCCCTCATGACAGAGATGCAACACGAGAACCTGTGTGCTCTCTGGCGGTGA 1140

RESULT 2

US-08-232-545-1
; Sequence 1, Application US/08232545
; Patent No. 6506578
; GENERAL INFORMATION:
; APPLICANT: Ulrich, Axel
; APPLICANT: Gishizky, Mikhail
; APPLICANT: Sures, Irman G.
; TITLE OF INVENTION: No. 6506578el Megakaryocytic Protein Tyrosine

DB 1081 ACGAGACGCGCTCANGACGAGATGCAACACGAGAACTGTGTGCTCTCTCGGGGTGA 1140
QY 1141 TCTGTGACCAAGGGGCTGTACATTGTCAATGAGACAGTGAAGCAAGGCAACCTGGTGA 1200
DB 1141 TCTGTGACCAAGGGGCTGTACATTGTCAATGAGACAGTGAAGCAAGGCAACCTGGTGA 1200
QY 1201 TTTCTGGGACCCGGGCTCGAGCCCTGTGAACACCGCTCAGCTCCTGTGAGTTTCTCTGC 1260
DB 1201 TTTCTGGGACCCGGGCTCGAGCCCTGTGTGAACACCGCTCAGCTCCTGTGAGTTTCTCTGC 1260
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DB 1261 ACCTGGCCAGGCGCATGGAGTACCTGGAGACAAAGAGTTGTGCAACCGGACCTGGCCG 1320
QY 1321 CCGGCAACATCTGTCTCAGAGGACCTGGTGGCAAGGTCAGGACCTTTGGCTTGGCCA 1380
DB 1321 CCGGCAACATCTGTCTCAGAGGACCTGGTGGCAAGGTCAGGACCTTTGGCTTGGCCA 1380
QY 1381 AAGCCGAGCGGAAGGGCTTAGACTCAAGCGGCTGCCCTCAAGTGGACGGCGCCGAGG 1440
DB 1381 AAGCCGAGCGGAAGGGCTTAGACTCAAGCGGCTGCCCTCAAGTGGAGCGCGCCGAGG 1440
QY 1441 CTCTCAAAACAAGGAGTTACCAAGTCCGATGTCTGTGAGTTTGGGGTGTCTCT 1500
DB 1441 CTCTCAAAACAAGGAGTTACCAAGTCCGATGTCTGTGAGTTTGGGGTGTCTCT 1500
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DB 1501 GGGAGGCTCTTCATATGACAGGGCTCCGTAACCTTAAATGTCTGAGAGTTTGGGGTGTCT 1560
QY 1561 AGCCGCTGAGAGAGGGTACCGCATGGAAACCCCGGAGGGCTGTCCAGGCCCGCTGCA 1620
DB 1561 AGCCGCTGAGAGAGGGTACCGCATGGAAACCCCGGAGGGCTGTCCAGGCCCGCTGCA 1620
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DB 1621 TCCTCATGACAGCTGTCTGGGAGGAGAGCCCGCCCGCGGCAACCTTCCGCAAACTGG 1680
QY 1681 CCGAGAGCTGSCCGGAGGTACCGCATGGAAACCCCGGAGGGCTGTCCAGGCCCGCTGCA 1740
DB 1681 CCGAGAGCTGSCCGGAGGTACCGCATGGAAACCCCGGAGGGCTGTCCAGGCCCGCTGCA 1740
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DB 1801 TGGCCCAAGAGACCGAGAGTGGAGTGGGCGGTGGGGGCACTGACAGGCCCAAGG 1860
QY 1861 AGGGTCCAGGCGGCAAGTTCATCTCTGTTGGTGGCCACAGAGGGGCTGGCCACGTAGG 1920
DB 1861 AGGGTCCAGGCGGCAAGTTCATCTCTGTTGGTGGCCACAGAGGGGCTGGCCACGTAGG 1920
QY 1921 GCTCTGGGCGCCGCTGGACACCCCGACCTGGAGAGTATGATCGCCGATTAAGACGG 1980
DB 1921 GCTCTGGGCGCCGCTGGACACCCCGACCTGGAGAGTATGATCGCCGATTAAGACGG 1980
QY 1981 ATTCTAAGACTCTAATAAAA 2000
DB 1981 ATTCTAAGACTCTAATAAAA 2000

;; TITLE OF INVENTION: Kinases
;; NUMBER OF SEQUENCES: 21
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Pennie & Edmonds
;; STREET: 1155 Avenue of the Americas
;; CITY: New York
;; STATE: New York
;; COUNTRY: U.S.A.
;; ZIP: 10036
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/232,545
;; FILING DATE: 22-APR-1994
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Coruzzi, Laura A.
;; REGISTRATION NUMBER: 30,742
;; REFERENCE/DOCKET NUMBER: 7683-050
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212)790-9090
;; TELEFAX: (212)869-9741
;; TELEX: 66141 PENNIE
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 2000 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: unknown
;; TOPOLOGY: unknown
;; MOLECULE TYPE: DNA
US-08-232-545-1

Query Match 100.0%; Score 2000; DB 4; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2000; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	CTCGCTCCAAAGTTGTGAGCGCGGACCGCCTCGGGGTGTGACCGCGCTCGCGGAGGCC	60
Db	1	CTCGCTCCAAAGTTGTGAGCGCGGACCGCCTCGGGGTGTGACCGCGCTCGCGGAGGCC	60
QY	61	TCTTGGGGCGGGCGGGCGGCGCTCGGGCGGCGCCCTGAGCAGAAACAGAGAAC	120
Db	61	TCTTGGGGCGGGCGGGCGGCGCTCGGGCGGCGCCCTGAGCAGAAACAGAGAAC	120
QY	121	AGGCTCGGTCCAGTGGCACCCAGCTCCCTACCTCTGTGCGACGCGCTGCGCTGTGGCA	180
Db	121	AGGCTCGGTCCAGTGGCACCCAGCTCCCTACCTCTGTGCGACGCGCTGCGCTGTGGCA	180
QY	181	GCGCATTCGACGCTCCCGACGTGACCACTTGCTCAAGTGCCTCTCACTGCTCAG	240
Db	181	GCGCATTCGACGCTCCCGACGTGACCACTTGCTCAAGTGCCTCTCACTGCTCAG	240
QY	241	TTTCCCTCTGGGGCGGATGGGGCGGAGGCTCTCTGTTTCTTCCGCGGCAATTCAG	300
Db	241	TTTCCCTCTGGGGCGGATGGGGCGGAGGCTCTCTGTTTCTTCCGCGGCAATTCAG	300
QY	301	GCTGTGATCTGCTGAGGAATTTCCCGGGGTGAGCCCGCCCTTCTCCGAGCTGGCACC	360
Db	301	GCTGTGATCTGCTGAGGAATTTCCCGGGGTGAGCCCGCCCTTCTCCGAGCTGGCACC	360
QY	361	CCCTCCCGTCTCAGCCAGATGCCAACAGGCGCTGGGCGCCGCGACCCAGTATCA	420
Db	361	CCCTCCCGTCTCAGCCAGATGCCAACAGGCGCTGGGCGCCGCGACCCAGTATCA	420
QY	421	CCAAATGCGAGCACCCCGCCACAGCCAGGAGCTGCGCTTCCGAGAGGCGACGTG	480
Db	421	CCAAATGCGAGCACCCCGCCACAGCCAGGAGCTGCGCTTCCGAGAGGCGACGTG	480
QY	481	TCACCATCTTGGAGGCTGCGAGAAACAGAGCTGTTACCGCTCAAGCAACACAGTG	540
Db	481	TCACCATCTTGGAGGCTGCGAGAAACAGAGCTGTTACCGCTCAAGCAACACAGTG	540

Db	481	TCACCATCTTGGAGGCTGCGAGAAACAGAGCTGTTACCGCTCAAGCAACACAGTG	540
QY	541	GACAGAGGGGCTGCTGGCGAGCTGGGGAGCGGGAGCCCTCTCCGAGACC	600
Db	541	GACAGAGGGGCTGCTGGCGAGCTGGGGAGCGGGAGCCCTCTCCGAGACC	600
QY	501	CCAAGCTCAGCCTCANTGCCCTGGTTCCACGGGAGATCTCGGGCCAGAGGCTGTCCAGC	660
Db	501	CCAAGCTCAGCCTCANTGCCCTGGTTCCACGGGAGATCTCGGGCCAGAGGCTGTCCAGC	660
QY	561	AGCTGCAGCCTCCCGAGGATGGGCTGTTCTGTGGGAGTCCGCGCCACCCCGCG	720
Db	561	AGCTGCAGCCTCCCGAGGATGGGCTGTTCTGTGGGAGTCCGCGCCACCCCGCG	720
QY	721	ACTACGTCTCTGTGCGTGGCTTTGGGCGGACGTCATCCACTACCGGCTGTCCAGCG	780
Db	721	ACTACGTCTCTGTGCGTGGCTTTGGGCGGACGTCATCCACTACCGGCTGTCCAGCG	780
QY	781	ACGGCCACCTCACAATCGATGAGGCGCTGTTCTTCTGCAACCTCATGAGATGGTGAGC	840
Db	781	ACGGCCACCTCACAATCGATGAGGCGCTGTTCTTCTGCAACCTCATGAGATGGTGAGC	840
QY	841	ATTACAGCAAGGACAAAGGGCGCTATCTGCACCAAGCTGGTGAGACCAAAAGCGAAACG	900
Db	841	ATTACAGCAAGGACAAAGGGCGCTATCTGCACCAAGCTGGTGAGACCAAAAGCGAAACG	900
QY	901	GGACCAAGTCCGCGGAGGAGGAGCTGGCCAGGGCGGCTGTTACTGAACCTGCAGCAT	960
Db	901	GGACCAAGTCCGCGGAGGAGGAGCTGGCCAGGGCGGCTGTTACTGAACCTGCAGCAT	960
QY	961	TGACATTTGGGAGCACAGATCGGAGGGGAGGTTGGAGCTGTCCTGACGGTGAGTACC	1020
Db	961	TGACATTTGGGAGCACAGATCGGAGGGGAGGTTGGAGCTGTCCTGACGGTGAGTACC	1020
QY	1021	TGGGCAAAAGGTGGCCGTGAAGATATCAAGTGTGATGTGACAGCCAGGCGCTTCTGG	1080
Db	1021	TGGGCAAAAGGTGGCCGTGAAGATATCAAGTGTGATGTGACAGCCAGGCGCTTCTGG	1080
QY	1081	ACGAGCGGCGCTCATGACGAAGATGCAACAGAGAACCTGGTGCCTCTCTGGGGTGA	1140
Db	1081	ACGAGCGGCGCTCATGACGAAGATGCAACAGAGAACCTGGTGCCTCTCTGGGGTGA	1140
QY	1141	TCTGCAACAGGGGCTGTACATTTGTCATGAGCACGTGAGCAAGGGCAACCTGTGAAC	1200
Db	1141	TCTGCAACAGGGGCTGTACATTTGTCATGAGCACGTGAGCAAGGGCAACCTGTGAAC	1200
QY	1201	TTCTGGGACCCGGGCTCGAGCCCTCGTGAACACCGCTCAGCTCTCAGTTTCTCTGC	1260
Db	1201	TTCTGGGACCCGGGCTCGAGCCCTCGTGAACACCGCTCAGCTCTCAGTTTCTCTGC	1260
QY	1261	AGTGGCCGAGGCAATGGAGTACCTGGAGAGCAAGAGCTTGTGACCCGCGACCTGGCG	1320
Db	1261	AGTGGCCGAGGCAATGGAGTACCTGGAGAGCAAGAGCTTGTGACCCGCGACCTGGCG	1320
QY	1321	CCGCAACATCTCTGCTCAGAGGACCTGGTGCCAGAGTCTCAGGACTTTGGGCTGCGCA	1380
Db	1321	CCGCAACATCTCTGCTCAGAGGACCTGGTGCCAGAGTCTCAGGACTTTGGGCTGCGCA	1380
QY	1381	AAGCCGAGCGGAAGGGCTAGACTCAAGCCGCTGCCCTCAAGTGAAGAGCGCCGAGG	1440
Db	1381	AAGCCGAGCGGAAGGGCTAGACTCAAGCCGCTGCCCTCAAGTGAAGAGCGCCGAGG	1440
QY	1441	CTCTCAACACGGGAGTTTCAACAGCAAGTGGAGTGTCTGGAGTTTGGGGTCTCTCT	1500
Db	1441	CTCTCAACACGGGAGTTTCAACAGCAAGTGGAGTGTCTGGAGTTTGGGGTCTCTCT	1500
QY	1501	GGAGGTCTTCTCATATGGAAGGGCTCCGTACCCATAAATGTCATGAAGAGGTGCG	1560
Db	1501	GGAGGTCTTCTCATATGGAAGGGCTCCGTACCCATAAATGTCATGAAGAGGTGCG	1560
QY	1561	AGGCGGTGGAGAGGGGTACCGCATGGACCCCGCGAGGCTGTCCAGCCCGCTGCAG	1620
Db	1561	AGGCGGTGGAGAGGGGTACCGCATGGACCCCGCGAGGCTGTCCAGCCCGCTGCAG	1620

QY 901 GGACCAAGTCGGCCGACGAGAGCTGGCCAGGGCGGCTGGTACTGAACTGCAGCATT 960
Db 901 GGACCAAGTCGGCCGACGAGAGCTGGCCAGGGCGGCTGGTACTGAACTGCAGCATT 960
QY 961 TGCAATTGGAGACACATCGGACGAGGAGATTGGAGCTGTCTCTGACGGGTGAGTACC 1020
Db 961 TGCAATTGGAGACACATCGGACGAGGAGATTGGAGCTGTCTCTGACGGGTGAGTACC 1020
QY 1021 TGGGGCAAAAGTGGCCGTGAAGATATCAAGTGTGATGACAGCCAGGCCTTCTCTGG 1080
Db 1021 TGGGGCAAAAGTGGCCGTGAAGATATCAAGTGTGATGACAGCCAGGCCTTCTCTGG 1080
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Db 1081 ACAGACGGCGCTCATGACGAGATGCAACACAGAGAACCTGCTCCCTCTCTGGGCGTGA 1140
QY 1141 TCTGTCACAGGGGCTGACATTTCTATGAGACACCTGAGCAAGGGCAACCTGCTGAAC 1200
Db 1141 TCTGTCACAGGGGCTGACATTTCTATGAGACACCTGAGCAAGGGCAACCTGCTGAAC 1200
QY 1201 TTCTGGGACCCGGGTGAGCCCTCTGTAACACCGCTCAGCTCTGAGTTTCTCTGC 1260
Db 1201 TTCTGGGACCCGGGTGAGCCCTCTGTAACACCGCTCAGCTCTGAGTTTCTCTGC 1260
QY 1261 ACCTGSCCGAGGGCATCGAGTACCTGGAGAGCAAGAGCTTGTGCACCGGACCTGGCCG 1320
Db 1261 ACCTGSCCGAGGGCATCGAGTACCTGGAGAGCAAGAGCTTGTGCACCGGACCTGGCCG 1320
QY 1321 CCGCAACATCTTGTCTCAGAGGACCTGTGGCCAAAGGTGAGCACTTTGGCTGGCCA 1380
Db 1321 CCGCAACATCTTGTCTCAGAGGACCTGTGGCCAAAGGTGAGCACTTTGGCTGGCCA 1380
QY 1381 AAGCCGAGCGAGGGCTAGACTCAAGCCGGCTGCGCGTCAAGTGAACGGCCCGCAGG 1440
Db 1381 AAGCCGAGCGAGGGCTAGACTCAAGCCGGCTGCGCGTCAAGTGAACGGCCCGCAGG 1440
QY 1441 CTCTCAAACACGGGAAGTTCAACAGCAAGTCGAGTGTCTGAGTTTGGGTGCTGCTCT 1500
Db 1441 CTCTCAAACACGGGAAGTTCAACAGCAAGTCGAGTGTCTGAGTTTGGGTGCTGCTCT 1500
QY 1501 GGGAGGTCTTCTCATATGAGCGGCTCCGTACCTTAAATGTCACTGAAAGAGGTGTCGG 1560
Db 1501 GGGAGGTCTTCTCATATGAGCGGCTCCGTACCTTAAATGTCACTGAAAGAGGTGTCGG 1560
QY 1561 AGGCGTGGAGAGGGGTACCGNTGAAACCCCGGAGGGCTGTCCAGGCCCGCTGCACG 1620
Db 1561 AGGCGTGGAGAGGGGTACCGNTGAAACCCCGGAGGGCTGTCCAGGCCCGCTGCACG 1620
QY 1621 TCCTCATGACAGCTGTGGGAGGACAGCCCGCCGCGCCACCTTCCGCAAACTGG 1680
Db 1621 TCCTCATGACAGCTGTGGGAGGACAGCCCGCCGCGCCACCTTCCGCAAACTGG 1680
QY 1681 CCGAGAGCTTGGCCCGGAGCTACGCAAGTCAGGTGCGCCAGCTCTCAGGGCAGG 1740
Db 1681 CCGAGAGCTTGGCCCGGAGCTACGCAAGTCAGGTGCGCCAGCTCTCAGGGCAGG 1740
QY 1741 ACGCCGACGGGTCACTTGGCCCGGAGAGAGCCCTGACCCCAACCCGCTGGGGCCCT 1800
Db 1741 ACGCCGACGGGTCACTTGGCCCGGAGAGAGCCCTGACCCCAACCCGCTGGGGCCCT 1800
QY 1801 TGGCCCCAGAGGACCGAGAGTGGAGTGCAGTGCAGTGGGGACCTACCAAGGCCAAGG 1860
Db 1801 TGGCCCCAGAGGACCGAGAGTGGAGTGCAGTGCAGTGGGGACCTACCAAGGCCAAGG 1860
QY 1861 AGGTCCAGGGCGGCAAGTCACTCTCTGTTGCCACAGAGGGGCTGGCCACCTAGGG 1920
Db 1861 AGGTCCAGGGCGGCAAGTCACTCTCTGTTGCCACAGAGGGGCTGGCCACCTAGGG 1920
QY 1921 GGCTCTGGGGCGGCGGTGGACACCCCAAGTCTGGAAGAGTATGCGCCCGATTAAGACGG 1980
Db 1921 GGCTCTGGGGCGGCGGTGGACACCCCAAGTCTGGAAGAGTATGCGCCCGATTAAGACGG 1980
QY 1981 ATTCTAGGACTCTAAAAA 2000

Db 1381 ATTCTAAGGACTCTAAAAA 2000
RESULT 4
US-08-876-882-1
; Sequence 1, Application US/08876882
; Patent No. 5981201
; GENERAL INFORMATION:
; APPLICANT: Avraham, Hava
; APPLICANT: Groopman, Jerome E.
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT
; TITLE OF INVENTION: OF BREAST CANCER
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brock, Smith & Reynolds P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: MA
; COUNTRY: USA
; ZIP: 02173-4799
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FASTSEQ For Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/876,882
; FILING DATE: 16-JUN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/035,228
; FILING DATE: 08-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen, Hogle M
; REGISTRATION NUMBER: 36,361
; REFERENCE/DOCKET NUMBER: NEDH97-01pa
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 781-861-6240
; TELEFAX: 781-861-9540
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1987 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-876-882-1

Query Match 95.5%; Score 1909.8; DB 2; Length 1987;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 1973; Conservative 0; Mismatches 7; Indels 9; Gaps 5;
QY 1 CTGCGTCCAGTGTGTCAGCGGAGCGCCCTCGGGGTGTGACCGCGCTCGCGAGGCC 60
Db 8 CTGCGTCCAGTGTGTCAGCGGAGCGCCCTCGGGGTGTGACCGCGCTCGCGAGGCC 67
QY 61 TCTTGGGGCGGGCGGGCGGCTCGGGGGCGCCCTGAGCAGAGAAAACAGAGAAAC 120
Db 68 TCTTGGGGCGGGCGGGCGGCTCGGGGGCGCCCTGAGCAGAGAAAACAGAGAAAC 127
QY 121 AGGCTCGGTCCAGTGGACCCAGCTCCCTACCTCTCTGTGTCAGCCGCTGGCTGGCA 180
Db 128 AGGCTCGGTCCAGTGGACCCAGCTCCCTACCTCTCTGTGTCAGCCGCTGGCTGGCA 187
QY 181 GGCATATCCAGCGTCCCGACTGTGACCACTGCTCAGTGTGCTCTCAGCTCCCTCAG 240
Db 188 GGCATATCCAGCGTCCCGACTGTGACCACTGCTCAGTGTGCTCTCAGCTCCCTCAG 247
QY 241 TTTTCCCTCTGGGGGGGATGGCGGGCGAGGCTCTCTGTGTTTCTGCGGGGCAATTACG 300
Db 248 TTTTCC--TCGGGGGGGATGGCGGGCGAGGCTCTCTGTGTTTCTGCGGGGCAATTACG 305

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QY 301 GCTGTGATTCTGCTGAGGAATTTCCCGGTGAGCCCGGCTTCTCTCCGAGCGCTGGACC 360
DB 306 GCTGTGATTCTGCTGAGGAATTTCCCGGTGAGCCCGGCTTCTCTCCGAGCGCTGGACC 365
QY 361 CCCCTCCCGTCTCAGCGAGGATGCCAAGAGCGCTGGGCCCCGGGCGACCCAGTGTATCA 420
DB 366 CCCCTCCCGTCTCAGCGAGGATGCCAAGAGCGCTGGGCCCCGGGCGACCCAGTGTATCA 425
QY 421 CCAATATGAGAGACACCCCGCCCCAAGCCAGGGGAGCTGGCTTCCGCAAGGCGAGCTGG 480
DB 426 CCAATATGAGAGACACCCCGCCCCAAGCCAGGGGAGCTGGCTTCCGCAAGGCGAGCTGG 485
QY 481 TCACCATCTCTGAGCGCTTCGAGAGCAAGAGCTGTACCGGCTCAAGCAACCAACCAATG 540
DB 486 TCACCATCTCTGAGCGCTTCGAGAGCAAGAGCTGTACCGGCTCAAGCAACCAACCAATG 545
QY 541 GACAGAGGGGCTGTGTGGCAGCTGGGGGCTCGGGAGCGGAGGCGCTCTCCGAGACC 600
DB 546 GACAGAGGGGCTGTGTGGCAGCTGGGGGCTCGGGAGCGGAGGCGCTCTCCGAGACC 605
QY 601 CCAAGCTCAGCTCATGCGCTGGTTCACGAGGAAGATCTCGGECAGAGAGGTGTCCAGC 660
DB 606 CCAAGCTCAGCTCATGCGCTGGTTCACGAGGAAGATCTCGGECAGAGAGGTGTCCAGC 665
QY 661 AGCTCAGGCTCCCGAGGATGGGCTGTTCTGCTGGGAGTCCGCGGCCACCCCGGCG 720
DB 666 AGCTCAGGCTCCCGAGGATGGGCTGTTCTGCTGGGAGTCCGCGGCCACCCCGGCG 725
QY 721 ACTACGTCGCTGCTGAGCTTTGCGCGGAGCTCATCCACTACCGCTGTGTGCAACCG 780
DB 726 ACTACGTCGCTGCTGAGCTTTGCGCGGAGCTCATCCACTACCGCTGTGTGCAACCG 785
QY 781 ACGGCCACTCACAATCAGATGAGGCGGTGTTCTTGCAACCTCATGACATGTGTGAGC 840
DB 786 ACGGCCACTCACAATCAGATGAGGCGGTGTTCTTGCAACCTCATGACATGTGTGAGC 845
QY 841 ATTACAGCAAGACAAAGGCGCTATCTGCAACAGCTGTGTGAGACCAAGCGGAACACG 900
DB 846 ATTACAGCAAGACAAAGGCGCTATCTGCAACAGCTGTGTGAGACCAAGCGGAACACG 905
QY 901 GGACCAAGTCGCGCCGAGGAGGAGCTGGCCAGGCGGCTGTTACTGAACTTCGACGATT 960
DB 906 GGACCAAGTCGCGCGAGGAGGAGCTGGCCAGGCGGCTGTTACTGAACTTCGACGATT 965
QY 961 TGACATTTGGGACACAGATCGAGAGGAGATTTGGAGCTGCTCTGAGGGTGTGATACC 1020
DB 966 TGACATTTGGGACACAGATCGAGAGGAGATTTGGAGCTGCTCTGAGGGTGTGATACC 1025
QY 1021 TGGGCGAAAAGTGCGCGGTGAACAATATCAAGTGTGTGACAGCCGAGGCGTTCTCTGG 1080
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QY 1081 ACGAGAGCGCGCTCATGAGAGATGCAACAGAACTGTGTGCTCTCTGGCGGTGA 1140
DB 1086 ACGAGAGCGCGCTCATGAGAGATGCAACAGAACTGTGTGCTCTCTGGCGGTGA 1145
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DB 1206 TTTCTCGGACCGGGGTGAGCGGCTCGTGAACACCGCTCAGCTCCTGTGAGTTTCTCTGC 1265
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DB 1266 ACGTGGCCGAGGCGATGAGATACCTGGAGAGCAAGAGTTGTGACCGCGACCTGGCG 1325
QY 1321 CCGGCAACATCTCTGTCTCAGAGGACCTGTGTGCGCAGGTGAGCACTTTGGCGTGGCA 1380
DB 1326 CCGGCAACATCTCTGTCTCAGAGGACCTGTGTGCGCAGGTGAGCACTTTGGCGTGGCA 1385
QY 1381 AAGCCGAGCGGAAGGGGCTAGACTCAAGCCGCTGCTCCGCTCAAGTGGAGCGCGCCGAG 1440
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DB 1386 AAGCCGAGCGGAAGGGCTAGACTCAAGCCGCTGCCCCGTCAAGTGGAGCGCGCCGAGG 1445
QY 1441 CTCTCAACACAGGAAAGTTACAGCAAGTCCGATGTCTCGAGTTTTCGGGTGTGCTCT 1500
DB 1446 CTCTCAACACAGG--GTTCAACAGCAAGTCCGATGTCTCGAGTTTTCGGGTGTGCTCT 1502
QY 1501 GGGAGGTCTTCTCATATGAGCGGCTCGTACCCCTAAAATGCTCACTGAAAGAGGTGTGCG 1560
DB 1503 GGGAGGTCTTCTCATATGAGCGGCTCGTACCCCTAAAATGCTCACTGAAAGAGGTGTGCG 1562
QY 1561 AGGCGGTGAGAAAGGGGTACCCGATGGAACCCCCCGAGGGCTGTCCAGGCCCGCTGCACG 1620
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QY 1681 CCGAGAGCTGGCCCGGAGGCTACGAGTGCAGGTGCCCCCAGCCCTCCGCTCTCAGGGCAGG 1740
DB 1682 CCGAGAGCTGGCCCGGAGGCTACGAGTGCAGGTGCCCCCAGCCCTCCGCTCTCAGGGCAGG 1741
QY 1741 ACGCGACGGCTCCACCTTCGCCCCCAAGCCAGGAGCCCTGACCCACCCGCTGGGCGCCT 1800
DB 1742 ACGCGACGG--TCCACCTTCGCCCCCAAGCCAGGAGCCCTGACCCACCCGCT--GGCCCT 1798
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DB 1799 TGGCCCCAGAGGACCGAGAGAGTGGAGAGTCCGGGTGGGGGCTGACGAGGCCAAGG 1858
QY 1861 AGGATCCAGGCGGCAAGTCTCTCTCTGTTGCCCAAGCAGCAGGGGCTGCCCCAGTACGG 1920
DB 1859 AGGATCCAGGCGGCAAGTCTCTCTCTGTTGCCCAAGCAGCAGGGGCTGCCCCAGTACGG 1916
QY 1921 GGCTCTGGGCGCGCTGGACACCCAGACCTGCGAGAGATGTCGCCCGATGCGCCGATAAGACGG 1980
DB 1919 GGCTCTGGGCGCGCTGGACACCCAGACCTGCGAGAGATGTCGCCCGATGCGCCGATAAGACGG 1978
QY 1981 ATTCTAAG 1989
DB 1979 ATTCTAAG 1987
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RESULT 5

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US-09-315-928-1
; Sequence 1, Application US/09315928
; Patent No. 6368796
; GENERAL INFORMATION:
; APPLICANT: Avraham, Hava
; APPLICANT: Groopman, Jerome E.
; TITLE OF INVENTION: METHODS OF DETECTION AND TREATMENT OF
; FILE REFERENCE: BREAST CANCER
; CURRENT APPLICATION NUMBER: US/09/315,928
; CURRENT FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: US 08/876,882
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: US 60/035,228
; PRIOR FILING DATE: 1997-01-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 1987
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (263)...(1846)
US-09-315-928-1
Query Match 95.5%; Score 1909.8; DB 4; Length 1987;
Best Local Similarity 99.2%; Pred. No. 0;
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Matches 1973; Conservative 0; Mismatches 7; Indels 9; Gaps 5;									
QY	1	CTCCGCTC	CGAAGTGTG	TCAGCCGGGA	CCGCCCTG	CGGGGTG	TCAGCCGGGT	TCGCGAGG	CCGCC 60
Db	8	CTCGCTC	CAAGTGTG	TCAGCCGGGA	CCGCCCTG	CGGGGTG	TCAGCCGGGT	TCGCGAGG	CCGCC 67
QY	61	TCCTGGGG	CGGGCGGG	CGGGCGGG	CTCGGGGG	CGGGCGGG	CTCGGGGG	CGGGCGGG	CGGGCGGG 120
Db	68	TCCTGGGG	CGGGCGGG	CGGGCGGG	CTCGGGGG	CGGGCGGG	CTCGGGGG	CGGGCGGG	CGGGCGGG 127
QY	121	AGGCTCGG	TCAGTGGCA	CCCAAGCT	CCCTACCT	CCCTGTC	CCCAAGCT	CCCTACCT	CCCTGTC 180
Db	128	AGGCTCGG	TCAGTGGCA	CCCAAGCT	CCCTACCT	CCCTGTC	CCCAAGCT	CCCTACCT	CCCTGTC 187
QY	181	GGCCAT	TCOCAGCT	CCCGCACT	GTGACCA	CTTTCAGT	TCAGTGGCT	TCACCTGG	CTCAG 240
Db	188	GGCCAT	TCOCAGCT	CCCGCACT	GTGACCA	CTTTCAGT	TCAGTGGCT	TCACCTGG	CTCAG 247
QY	241	TTTCCCTC	TGGGGG	CGATGG	CGGGGCG	AGGCTCT	CTGCTT	TCCTGG	CGGGCATTT 300
Db	248	TTTCC-	-TGTGGG	CGATGG	CGGGGCG	AGGCTCT	CTGCTT	TCCTGG	CGGGCATTT 305
QY	301	GTGTGAT	TCTGTG	AGGAAC	TTCCCGGG	TGAGCC	CCCGCT	TTCTCC	GAGCTGGCAC 360
Db	306	GTGTGAT	TCTGTG	AGGAAC	TTCCCGGG	TGAGCC	CCCGCT	TTCTCC	GAGCTGGCAC 365
QY	361	CCCTCC	CCCTC	TCAG	CCAGAT	GCCTAA	CGAGCG	CTGGCG	CCCGGCA 420
Db	366	CCCTCC	CCCTC	TCAG	CCAGAT	GCCTAA	CGAGCG	CTGGCG	CCCGGCA 425
QY	421	CCAAAT	TCGAGAC	ACCC	CCCGG	TCAGCG	AGGAGCT	GCCTTC	CCGCAAGGGCGAGTGG 480
Db	426	CCAAAT	TCGAGAC	ACCC	CCCGG	TCAGCG	AGGAGCT	GCCTTC	CCGCAAGGGCGAGTGG 485
QY	481	TCACCAT	CTCTG	AGGCG	CTCGAGAA	CAAGAG	CTGTG	TACCGCG	CTCAAGCA 540
Db	486	TCACCAT	CTCTG	AGGCG	CTCGAGAA	CAAGAG	CTGTG	TACCGCG	CTCAAGCA 545
QY	541	GACAGAG	GGGCTG	CTGG	CGAGCT	GGGCG	CTGGGAG	CGGAGG	CGCTCT 600
Db	546	GACAGAG	GGGCTG	CTGG	CGAGCT	GGGCG	CTGGGAG	CGGAGG	CGCTCT 605
QY	601	CCAAAG	CTCAG	CTCAG	CTGCTG	TTCCAG	GGGAGAT	CTCGGG	CCAGGAGTGTCCAG 660
Db	606	CCAAAG	CTCAG	CTCAG	CTGCTG	TTCCAG	GGGAGAT	CTCGGG	CCAGGAGTGTCCAG 665
QY	661	AGCTGAG	CGCTCC	GAGGAT	GGGCTG	TTCTG	TGGGAGT	TCGGCG	CGCCAC 720
Db	666	AGCTGAG	CGCTCC	GAGGAT	GGGCTG	TTCTG	TGGGAGT	TCGGCG	CGCCAC 725
QY	721	ACTAC	CTCTG	TCG	TGAGCT	TTGG	CGCGAG	CTCAT	CCAGTAC 780
Db	726	ACTAC	CTCTG	TCG	TGAGCT	TTGG	CGCGAG	CTCAT	CCAGTAC 785
QY	781	ACGGCC	ACCTC	CAAT	TCGAT	AGGCG	GTGTT	CTGCA	ACCTC 840
Db	786	ACGGCC	ACCTC	CAAT	TCGAT	AGGCG	GTGTT	CTGCA	ACCTC 845
QY	841	ATTAC	GAC	CAAG	CAAG	CGCTAT	TCGCA	CAAG	CGCTAT 900
Db	846	ATTAC	GAC	CAAG	CAAG	CGCTAT	TCGCA	CAAG	CGCTAT 905
QY	901	GGAC	CAAG	TCGG	CGAGG	AGCTGG	CGAGG	CGGCTG	GGTTC 960
Db	906	GGAC	CAAG	TCGG	CGAGG	AGCTGG	CGAGG	CGGCTG	GGTTC 965
QY	961	TGACAT	TTGG	GAC	ACAGAT	TCGG	AGGAG	AGCTTT	GGAGCT 1020
Db	966	TGACAT	TTGG	GAC	ACAGAT	TCGG	AGGAG	AGCTTT	GGAGCT 1025
QY	1021	TGGGG	CAAA	AGG	TGG	CGCTG	GAAGA	TATCA	AGTGTG 1080
Db	1026	TGGGG	CAAA	AGG	TGG	CGCTG	GAAGA	TATCA	AGTGTG 1085

RESULT 6
US-09-023-655-1409
; Sequence 1409, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart

QY	1081	ACGAGAC	GGCGCT	CTATG	ACGAAG	ATGCA	ACAGAA	CACTGG	TGGTCT	CTCTGGGCGTGA 1140
Db	1086	ACGAGAC	GGCGCT	CTATG	ACGAAG	ATGCA	ACAGAA	CACTGG	TGGTCT	CTCTGGGCGTGA 1145
QY	1141	TCCTSCA	CCAGGG	GTGTAC	ATTGTC	ATGAG	CAAG	CAAG	GGCAAC	CTTGTGAACT 1200
Db	1146	TCCTSCA	CCAGGG	GTGTAC	ATTGTC	ATGAG	CAAG	CAAG	GGCAAC	CTTGTGAACT 1205
QY	1201	TTCTGCG	AGACCC	GGGGT	CGAGCC	TCGTGA	ACCCG	CTCAG	CTCTG	AGTTTCTCTGC 1260
Db	1206	TTCTGCG	AGACCC	GGGGT	CGAGCC	TCGTGA	ACCCG	CTCAG	CTCTG	AGTTTCTCTGC 1265
QY	1261	AGTGGC	CGAGG	CGATG	AGTAC	CTGAG	GAGAA	GAAG	CTTGTG	CAACCGGAGCTGGCCG 1320
Db	1266	AGTGGC	CGAGG	CGATG	AGTAC	CTGAG	GAGAA	GAAG	CTTGTG	CAACCGGAGCTGGCCG 1325
QY	1321	CCGCAAA	CATCT	GTGTCT	CAGAGG	ACCTGG	TGGCC	CAAGG	TCAGG	ACTTTTGGCCTGGCCA 1380
Db	1326	CCGCAAA	CATCT	GTGTCT	CAGAGG	ACCTGG	TGGCC	CAAGG	TCAGG	ACTTTTGGCCTGGCCA 1385
QY	1381	AAGCCG	AGCGG	AGGGCT	AGTAC	CTCAAG	CCGG	CTGCC	CTCAAG	TGGAACCGGCCCGAGG 1440
Db	1386	AAGCCG	AGCGG	AGGGCT	AGTAC	CTCAAG	CCGG	CTGCC	CTCAAG	TGGAACCGGCCCGAGG 1445
QY	1441	CTCTCAA	ACCGG	AAAGTT	CAACAG	CAAGT	CGATG	CTGAG	AGTTT	GGGGTGGCTCTCT 1500
Db	1446	CTCTCAA	ACCGG	AAAGTT	CAACAG	CAAGT	CGATG	CTGAG	AGTTT	GGGGTGGCTCTCT 1502
QY	1501	GGGAGT	CTTCT	CATAT	GAGCG	GGGTCC	GTAC	CCCTAAA	ATGTC	CTGAAAGAGTGTCCG 1560
Db	1503	GGGAGT	CTTCT	CATAT	GAGCG	GGGTCC	GTAC	CCCTAAA	ATGTC	CTGAAAGAGTGTCCG 1562
QY	1561	AGGCGT	GGAGAG	GGGTAC	CCGANT	TGGAAC	CCCCCG	AGGGCT	GTTC	CCAGCCCGCTGCAAG 1620
Db	1563	AGGCGT	GGAGAG	GGGTAC	CCGANT	TGGAAC	CCCCCG	AGGGCT	GTTC	CCAGCCCGCTGCAAG 1622
QY	1621	TCCTCAT	GAGCAG	CTGTG	GGGAGG	CAGAG	CCCCCG	CGCGG	CAACCT	TCGCAAACTGG 1680
Db	1623	TCCTCAT	GAGCAG	CTGTG	GGGAGG	CAGAG	CCCCCG	CGCGG	CAACCT	TCGCAAACTGG 1681
QY	1681	CCGGAAG	CTGCT	CCCGG	AGGTAC	CGCAGT	GAGGT	CCCCCG	AGCTCC	CTCCAGGCGAG 1740
Db	1682	CCGGAAG	CTGCT	CCCGG	AGGTAC	CGCAGT	GAGGT	CCCCCG	AGCTCC	CTCCAGGCGAG 1741
QY	1741	ACGCGC	AGCGGT	TCCAC	CTCG	CCCCCG	AGAGCC	AGAGCC	CTTAC	CCCCCAGCCCGGCT 1800
Db	1742	ACGCGC	AGCGGT	TCCAC	CTCG	CCCCCG	AGAGCC	AGAGCC	CTTAC	CCCCCAGCCCGGCT 1798
QY	1801	TGGCCCC	CAGAG	ACCGA	GAGT	TCGGG	CGTGG	GGGCG	ACTG	ACAGGCGCCGAGG 1860
Db	1799	TGGCCCC	CAGAG	ACCGA	GAGT	TCGGG	CGTGG	GGGCG	ACTG	ACAGGCGCCGAGG 1858
QY	1861	AGGCTCC	AGGCG	GGGCA	AGTCA	TCCT	CTG	TCG	CCCA	CAGCAGGCGTGGCCCACTAGG 1920
Db	1859	AGGCTCC	AGGCG	GGGCA	AGTCA	TCCT	CTG	TCG	CCCA	CAGCAGGCGTGGCCCACTAGG 1918
QY	1921	GGCTCT	GCGCG	CGCTG	AGAC	CCCCAG	ACCTG	CGAAG	AGATG	ATCGCCCGATAAGACCG 1980
Db	1919	GGCTCT	GCGCG	CGCTG	AGAC	CCCCAG	ACCTG	CGAAG	AGATG	ATCGCCCGATAAGACCG 1978
QY	1981	ATTCTA	AGG	1989						
Db	1979	ATTCTA	AGG	1987						


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/ APPLICANT: Jeffrey J. Seilhamer
/ TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
/ TITLE OF INVENTION: EXPRESSION
/ NUMBER OF SEQUENCES: 1508
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
/ STREET: 3174 PORTER DRIVE
/ CITY: PALO ALTO
/ STATE: CALIFORNIA
/ COUNTRY: USA
/ ZIP: 94304
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/023,655
/ FILING DATE: HEREWITH
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ CLASSIFICATION:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Zeller, Karen J.
/ REGISTRATION NUMBER: 37,071
/ REFERENCE/DOCKET NUMBER: PA-0001 US
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (650) 855-0555
/ TELEFAX: (650) 845-4166
/ INFORMATION FOR SEQ ID NO: 1409:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1967 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ LIBRARY: GENBANK
/ CLONE: g455449
/ US-09-023-655-1409

Query Match 95.58; Score 1909.8; DB 4; Length 1987;
Best Local Similarity 99.28; Pred. No. 0;
Matches 1973; Conservative 0; Mismatches 7; Indels 9; Gaps 5;

QY 1 CTCGCTCCAAAGTTGTGACGCGGACCCGCTCGGGGTGTGACGCGGCTCGCGAGGCC 60
DB 8 CTGCTCCAAAGTTGTGACGCGGACCCGCTCGGGGTGTGACGCGGCTCGCGAGGCC 67
QY 61 TCGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 120
DB 68 TCGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG 127
QY 121 AGGTCGGTCCAGTGGACCCAGTCCCTACCTCTGTCGACCGCGCTCGCTGTGGCA 180
DB 128 AGCTCGGTTCAGTGGACCCAGTCCCTACCTCTGTCGACCGCGCTCGCTGTGGCA 187
QY 181 GGCCATTCCAGCTCCCGACTGTGACCACTGCTCAGTGTGCTCTCACTCCCTCAG 240
DB 188 GGCCATTCCAGCTCCCGACTGTGACCACTGCTCAGTGTGCTCTCACTCCCTCAG 247
QY 241 TTTCCCTCTGGGGGGGATGCGGGGGAGGCTCTGTGGTTCTTGGCGGCAATTCAG 300
DB 248 TTTCC--TCTGGGGGGATGCGGGGGAGGCTCTGTGGTTCTTGGCGGCAATTCAG 305
QY 301 GCTGTGATTCGCTGAGCACTTCCCGGTGAGCCCGCTTCTCTCGAGCCCTGGCACC 360
DB 306 GCTGTGATTCGCTGAGCACTTCCCGGTGAGCCCGCTTCTCTCGAGCCCTGGCACC 365
QY 361 CCCCTCCGCTCTACGACAGGATGCAACGAGCGCTGGGCCCGCGGCAACCAAGTATCA 420
DB 366 CCCCTCCGCTCTACGACAGGATGCAACGAGCGCTGGGCCCGCGGCAACCAAGTATCA 425
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[illegible]

RESULT 7

360	DB	360	CAAGTGTATACCAAAATCGAGCACACCGCGCCCCCAAGCCAGGGAGCTGGCCCTTCGCGAA	419
470	QY	470	GGCGACGTGFTACCAATCCTGGAGGCTCGAGAACCAAGAGCTGGTACCGGTCAAGA	529
420	DB	420	GGGCGAGTGTGTCACCAATCCTGGAGGCTCGAGAACCAAGAGCTGGTACCGGTCAAGA	479
530	QY	530	CCACACGAGTGACAGGAGGGGCTCTGGCAGCTGGGGGCTGCGGGAGCGGGAGGCGCT	589
480	DB	480	CCACACGAGTGACAGGAGGGGCTCTGGCAGCTGGGGGCTGCGGGAGCGGGAGGCGCT	539
590	QY	590	CTCCGACAGACCCCAAGCTCAGCTCATGCGGTGTTCCACGGGAAGATCTCCGGGCAGGA	649
540	DB	540	CTCCGACAGACCCCAAGCTCAGCTCATGCGGTGTTCCACGGGAAGATCTCCGGGCAGGA	599
650	QY	650	GGCTGTCCAGCAGCTGCAGCCTCCCGAGGATGGGCTGTTCTCTGGTGGGAGTCCGCGG	709
600	DB	600	GGCTGTCCAGCAGCTGCAGCCTCCCGAGGATGGGCTGTTCTCTGGTGGGAGTCCGCGG	659
710	QY	710	CCACCCCGCGACTAGCTCCTGTGGTGGCTTTGGCCCGCAGCTCATCCACTACGGCT	769
660	DB	660	CCACCCCGCGACTAGCTCCTGTGGTGGCTTTGGCCCGCAGCTCATCCACTACGGCT	719
770	QY	770	GCTGCACCGGAGCGGCACCTCACAAATCGATGAGGCGGTCTTCTCTGCAACCTCATGA	829
720	DB	720	GCTGCACCGGAGCGGCACCTCACAAATCGATGAGGCGGTCTTCTCTGCAACCTCATGA	779
830	QY	830	CATGTTGGAGCATTAAGCAAGGAGAGGCGCTATCTGCACCAAGCTGGTGGAGCAAAA	889
780	DB	780	CATGTTGGAGCATTAAGCAAGGAGAGGCGCTATCTGCACCAAGCTGGTGGAGCAAAA	839
890	QY	890	GCGGAACACCGGACCAAGTCCGCCCGAGGAGGAGTGGCCAGGGGGGCTGGTTACTGAA	949
840	DB	840	GCGGAACACCGGACCAAGTCCGCCCGAGGAGGAGTGGCCAGGGGGGCTGGTTACTGAA	899
950	QY	950	CCTGCAGCAATTTGACATTCGGAGCACAGATCGGAGAGGAGAGTTTGGAGCTGTCCTGCA	1009

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Db 900 CTTCTGAGCATTTGACATTTGGACACACAGATCGGAGAGGGAGATTTGGAGCTGTCTCTGCA 959
QY 1010 GGGTGAAGTACCTGGGCAAAAGTGGCCGTGAAGAATATCAAGTGTGATGACAGCCCA 1069
Db 960 GGGTGAAGTACCTGGGCAAAAGTGGCCGTGAAGAATATCAAGTGTGATGACAGCCCA 1019
QY 1070 GGCCTTCTCGGACAGACGGCCCTCATGACGAGATGCAACAGAGAACCTGTGTGGTCT 1129
Db 1020 GGCCTTCTCGGACAGACGGCCCTCATGACGAGATGCAACAGAGAACCTGTGTGGTCT 1079
QY 1130 CTTGGGCGTGATCTGTCACACAGGGGTGTACATTTGTCATGGACACGTGAGCAAGGGCAA 1189
Db 1080 CTTGGGCGTGATCTGTCACACAGGGGTGTACATTTGTCATGGACACGTGAGCAAGGGCAA 1139
QY 1190 CTTGGTGAATTTCTCGGACCCCGGGTGGAGCCCTCGTGAACACCGCTCAGTCTCTGCA 1249
Db 1140 CTTGGTGAATTTCTCGGACCCCGGGTGGAGCCCTCGTGAACACCGCTCAGTCTCTGCA 1199
QY 1250 GTTTTCTCTGACGTGGCCGAGGGCATGGAGTACCTGGAGAGCAAGAGCTTTGACCG 1309
Db 1200 GTTTTCTCTGACGTGGCCGAGGGCATGGAGTACCTGGAGAGCAAGAGCTTTGACCG 1259
QY 1310 CGACCTGGCCGCCCGCAACATCTGTGTCTCAGAGGACCTGGTGGCCAGGTCAAGCGACTT 1369
Db 1260 CGACCTGGCCGCCCGCAACATCTGTGTCTCAGAGGACCTGGTGGCCAGGTCAAGCGACTT 1319
QY 1370 TGGCCTGGCCAAAGCCGAGCGGAAGGGGTAGACTCAAGCCGCTGCCCCGTCAAGTGGAC 1429
Db 1320 TGGCCTGGCCAAAGCCGAGCGGAAGGGGTAGACTCAAGCCGCTGCCCCGTCAAGTGGAC 1379
QY 1430 GGGCCCGGAGGCTCTCAACACAGGAGTTCCACGACAGTGGATGCTGGAATTTGG 1489
Db 1380 GGGCCCGGAGGCTCTCAACACAGGAGTTCCACGACAGTGGATGCTGGAATTTGG 1439
QY 1490 GGTCTGTCTCTGGAGGTCTTCTCATATGACGGGTCTCCGTACCTCAAAATGTCACGTAA 1549
Db 1440 GGTCTGTCTCTGGAGGTCTTCTCATATGACGGGTCTCCGTACCTCAAAATGTCACGTAA 1499
QY 1550 AGAGGTGTGAGAGCCGTGAGAGAGGGGTACCCGNTGGAAACCCCGAGGGCTGTCCAGG 1609
Db 1500 AGAGGTGTGAGAGCCGTGAGAGAGGGGTACCCGNTGGAAACCCCGAGGGCTGTCCAGG 1559
QY 1610 CCCGTGACAGTCTCTCATAGAGAGTCTGCTGGAGAGCAGAGCCCGCCGCGGACCCCTT 1669
Db 1560 CCCGTGACAGTCTCTCATAGAGAGTCTGCTGGAGAGCAGAGCCCGCCGCGGACCCCTT 1619
QY 1670 CCGCAAACTGCCGAGAGCTGCGCCGGAGCTACGAGTGCAGGTGCCCCAGCCTCCGT 1729
Db 1620 CCGCAAACTGCCGAGAGCTGCGCCGGAGCTACGAGTGCAGGTGCCCCAGCCTCCGT 1679
QY 1730 CTGAGGGCAGGACGCGCGACGGCTCCAGCTGCGCCCGGAGCCGAGAGCCTTGACCCCAACC 1789
Db 1680 CTGAGGGCAGGACGCGCGACGGCTCCAGCTGCGCCCGGAGCCGAGAGCCTTGACCCCAACC 1739
QY 1790 GGTGGGGCCCTTGGCCCGCAGAGACGAGAGAGTGGAGAGTGGCGGTGGGGGCACTGAC 1849
Db 1740 GGT--GGCCCTTGGCCCGCAGAGACCGAGAGAGTGGAGAGTGGCGGTGGGGGCACTGAC 1797
QY 1850 CAGGCCCAAGAGAGGTCCAGCGCGGCAAGTCACTCCTCTGTCGCCACACAGCAGGGGTGG 1909
Db 1798 CAGGCCCAAGAGAGGTCCAGCGCGGCAAGTCACTCCTCTGTCGCCACACAGCAGGGGTGG 1857
QY 1910 CCACGTAAGGGGTCTTGGCGCGGCCGTGGAACACCCCGAGACCTTCGGAAGATGATGCCCC 1969
Db 1858 CCACGTAAGGGGTCTTGGCGCGGCCGTGGAACACCCCGAGACCTTCGGAAGATGATGCCCC 1917
QY 1970 GATAAAGACGATTC--AAGACTCT 1994
Db 1918 GATAAAGACGATTC--AAGACTCT 1942
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RESULT 8

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US-08-604-989A-10
; Sequence 10, Application US/08604989A
; Patent No. 5834208
; GENERAL INFORMATION:
; APPLICANT: Sakano, S.
; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/604,989A
; FILING DATE: February 23, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Charles E. Miller
; REGISTRATION NUMBER: 24,576
; REFERENCE/DOCKET NUMBER: 1920-026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1521 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ORIGINAL SOURCE:
; ORGANISM: human
; STRAIN: UT-7
US-08-604-989A-10
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Query Match 76.0%; Score 1519.4; DB 2; Length 1521;
Best Local Similarity 99.9%; Pred. No. 1.5e-302;
Matches 1520; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 258 ATGGCGGGCGGAGGCTCTCTGGTTTCCTGGCGGGCATTTCAOGGCTGTGATTTCTGTGAG 317
Db 1 ATGGCGGGCGGAGGCTCTCTGGTTTCCTGGCGGGCATTTCAOGGCTGTGATTTCTGTGAG 60
QY 318 GAACTTCCCGGGTGAAGCCCGCCGCTTCCTCCGAGCCTGGACCCCTCCCGTCTCAGCC 377
Db 61 GAACTTCCCGGGTGAAGCCCGCCGCTTCCTCCGAGCCTGGACCCCTCCCGTCTCAGCC 120
QY 378 AGATGCCAACAGAGCGCTGGGCCCGCCGACCCAGTGTATCACAAAATGCCAGACACC 437
Db 121 AGATGCCAACAGAGCGCTGGGCCCGCCGACCCAGTGTATCACAAAATGCCAGACACC 180
QY 438 CGCCCCAAGCCAGGGAGCTGGCCTTCCGCAAGGGGCAAGTGTACCATCTCTGGAGGCC 497
Db 181 CGCCCCAAGCCAGGGAGCTGGCCTTCCGCAAGGGGCAAGTGTACCATCTCTGGAGGCC 240
QY 498 TCGGAGAAACAAGCTGGTACCGCGTCAAGACAACACACAGTGGACAGAGGGCTGTCTG 557
Db 241 TCGGAGAAACAAGCTGGTACCGCGTCAAGACAACACACAGTGGACAGAGGGCTGTCTG 300
QY 558 GAGCTTGGGGCGCTCGGGAGCGGGAGGCCCTCTCTCCGACAGCCCAAGCTCAGCCTCATG 617
Db 301 GAGCTTGGGGCGCTCGGGAGCGGGAGGCCCTCTCTCCGACAGCCCAAGCTCAGCCTCATG 360
QY 618 CGCTGTGTTCCACGGGAAGATCTCGGGCCAGGAGGCTGTCCAGCAGGTGAGCCTCCCGAG 677
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Db 361 CCGTGGTTCACAGGGAGATCTCGGCGCAGGAGGCTGTCCAGCAGCTGCAGCCTCCCGAG 420
Qy 678 GATGGCTGTTCTGTGCGGAGTCCGCGCGCACCCCGGTGACTACGTCCTGTCTGG 737
Db 421 GATGGCTGTTCTGTGCGGAGTCCGCGCGCACCCCGGTGACTACGTCCTGTCTGG 480
Qy 738 AGCTTTGGCGCGAGCTCACTCACTACCGGTCTGCACCGCAGCGCCACCTTCAATC 797
Db 481 AGCTTTGGCGCGAGCTCACTCACTACCGGTCTGCACCGCAGCGCCACCTTCAATC 540
Qy 798 GATGAGCGCGTGTCTTCTGCAACCTCATGGACATGGTGAGCATTTACAGCAAGCAAG 857
Db 541 GATGAGCGCGTGTCTTCTGCAACCTCATGGACATGGTGAGCATTTACAGCAAGCAAG 600
Qy 858 GGGCTATCTGCACCAAGCTGTGAGACCAACCGGACCAAGTCCGCGCGAG 917
Db 601 GGGCTATCTGCACCAAGCTGTGAGACCAACCGGACCAAGTCCGCGCGAG 660
Qy 918 GAGGAGTGGCCAGGCGCGGTGTTACTGAACCTGCAGCATTTGACATTTGGAGACAG 977
Db 661 GAGGAGTGGCCAGGCGCGGTGTTACTGAACCTGCAGCATTTGACATTTGGAGACAG 720
Qy 978 ATCGGAGGAGGAGTTTGGAGCTGTCTGACAGGTTGAGTACCTGGGGCAAAAGTGGCC 1037
Db 721 ATCGGAGGAGGAGTTTGGAGCTGTCTGACAGGTTGAGTACCTGGGGCAAAAGTGGCC 780
Qy 1038 GTCAAGATATCAAGTGTGTGACAGCCAGCCCTTCTGACGAGAGCGGCTCATG 1097
Db 781 GTCAAGATATCAAGTGTGTGACAGCCAGCCCTTCTGACGAGAGCGGCTCATG 840
Qy 1098 ACAGAGATGCAACAGGAACTGGTGGCTCTCTGGGCGGTGATCTTGCACAGGGGCTG 1157
Db 841 ACAGAGATGCAACAGGAACTGGTGGCTCTCTGGGCGGTGATCTTGCACAGGGGCTG 900
Qy 1158 TACATTGTCTAGGAGCAGTGAGCAAGGCAACCTGTGTGAACCTTCTGCGGACCCGGGT 1217
Db 901 TACATTGTCTAGGAGCAGTGAGCAAGGCAACCTGTGTGAACCTTCTGCGGACCCGGGT 960
Qy 1218 CGAGCCTCTGTAACACGCTCAGCTCTGAGTTTCTGTGACGTGGCGGAGGATG 1277
Db 961 CGAGCCTCTGTAACACGCTCAGCTCTGAGTTTCTGTGACGTGGCGGAGGATG 1020
Qy 1278 GAGTACCTGAGAGCAAGAGTGTGACCGGACCTGGCGGCGCAACATCTCTGTC 1337
Db 1021 GAGTACCTGAGAGCAAGAGTGTGACCGGACCTGGCGGCGCAACATCTCTGTC 1080
Qy 1338 TCAGAGACCTTGGTGGCAAGGTCAGCGACTTTGGCTTGGCCAAAGCCGAGCGGAGGG 1397
Db 1081 TCAGAGACCTTGGTGGCAAGGTCAGCGACTTTGGCTTGGCCAAAGCCGAGCGGAGGG 1140
Qy 1398 CTAGACTCAGCCGGCTGGCGGTCAAGTGAACGCGCGCGAGGCTTCAACACGCGGAG 1457
Db 1141 CTAGACTCAGCCGGCTGGCGGTCAAGTGAACGCGCGCGAGGCTTCAACACGCGGAG 1200
Qy 1458 TTCAACAGCAAGTCGAGTGTGAGTTTGGGTGTGCTTCTGGGAGTCTTCTCATAT 1517
Db 1201 TTCAACAGCAAGTCGAGTGTGAGTTTGGGTGTGCTTCTGGGAGTCTTCTCATAT 1260
Qy 1518 GGACGGCTCCGTACCCCTAAATGTCACTGAAGAGGTGTGCGAGGCGGTGGAGAGGGG 1577
Db 1261 GGACGGCTCCGTACCCCTAAATGTCACTGAAGAGGTGTGCGAGGCGGTGGAGAGGGG 1320
Qy 1578 TACCGCATGGAACCCCGCGGCGTGTGACGCGCCGTCACGTCTCATGAGAGCTGC 1637
Db 1321 TACCGCATGGAACCCCGCGGCGTGTGACGCGCCGTCACGTCTCATGAGAGCTGC 1380
Qy 1638 TGGGAGCAGACCCCGCGGCGGCAACCTTCCGCAACCTGGCGGAGAGCTGCCCGG 1697
Db 1381 TGGGAGCAGACCCCGCGGCGGCAACCTTCCGCAACCTGGCGGAGAGCTGCCCGG 1440
Qy 1698 GAGCTACCGAGTGCAGGTGCCCCAGCTCTCTCAGGGCAGGACGCGCGAGCTCCACC 1757
Db 1441 GAGCTACCGAGTGCAGGTGCCCCAGCTCTCTCAGGGCAGGACGCGCGAGCTCCACC 1500

Qy 1758 TCGCCCCGAAGCCAGGAGCCC 1778
Db 1501 TCGCCCCGAAGCCAGGAGCCC 1521

RESULT 9

US-08-604-989A-9
; Sequence 9, Application US/08604989A
; Patent No. 5834208
; GENERAL INFORMATION:
; APPLICANT: Sakano, S.
; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MED-UM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/604,989A
; FILING DATE: February 23, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Charles E. Miller
; REGISTRATION NUMBER: 24,576
; REFERENCE/DOCKET NUMBER: 1920-026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 56141 PENNIE
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1398 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ORIGINAL SOURCE:
; ORGANISM: human
; STRAIN: UT-7
; US-08-604-989A-9

Query Match 69.9%; Score 1398; DB 2; Length 1398;
Best Local Similarity 100.0%; Pred. No. 1.le-277; Indels 0; Gaps 0;
Matches 1398; Conservative 0; Mismatches 0;

Qy 381 ATGCCAACAGGCGCTGGGCGCGGCGCACCCAGTGTATCACCAATCGGAGCACCCGC 440
Db 1 ATGCCAACAGGCGCTGGGCGCGGCGCACCCAGTGTATCACCAATCGGAGCACCCGC 60
Qy 441 CCCAAGCCAGGAGCTGGCTTCCGCAAGGGCGACGTTGTCACCATCTCTGGAGGCTGC 500
Db 61 CCCAAGCCAGGAGCTGGCTTCCGCAAGGGCGACGTTGTCACCATCTCTGGAGGCTGC 120
Qy 501 GAGAACAGAGCTGGTACCCGCTCAGCACACACAGTGGACAGGAGGGGCTGCTGGCA 560
Db 121 GAGAACAGAGCTGGTACCCGCTCAGCACACACAGTGGACAGGAGGGGCTGCTGGCA 180
Qy 561 GCTGGGCGCTGGGGAGCGGGAGGGCGCTCTCCGACAGACCCCAAGCTCAGCTCATCCG 620
Db 181 GCTGGGCGCTGGGGAGCGGGAGGGCGCTCTCCGACAGACCCCAAGCTCAGCTCATCCG 240
Qy 521 TGGTTCCACGGGAGATPCTCGGCGCAGGAGGCTGTCCAGAGCTGACAGCTCCCGAGGAT 680
Db 241 TGGTTCCACGGGAGATPCTCGGCGCAGGAGGCTGTCCAGAGCTGACAGCTCCCGAGGAT 300

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QY 681 GGGCTGTTCTTGGTGGGGAGTCCGCGGCAACCCGGGCACTACGTCCTGTGCGTGGC 740
Db 301 GGGCTGTTCTTGGTGGGGAGTCCGCGGCAACCCGGGCACTACGTCCTGTGCGTGGC 360
QY 741 TTTGGCGGCAAGTCATCCACTACCGGTCTGACCGGCAACCGGCACTCACAATCGAT 800
Db 361 TTTGGCGGCAAGTCATCCACTACCGGTCTGACCGGCAACCGGCACTCACAATCGAT 420
QY 801 GAGCGCGTGTCTTCTGCAACCTCATGACATGGTGGAGCAATTACAGCAAGGCAAGGC 860
Db 421 GAGCGCGTGTCTTCTGCAACCTCATGACATGGTGGAGCAATTACAGCAAGGCAAGGC 480
QY 861 GCTATCTGCACCAAGCTGTGAGACCAAGCGGAACACCGGCAACAGTCCGCGGAG 920
Db 481 GCTATCTGCACCAAGCTGTGAGACCAAGCGGAACACCGGCAACAGTCCGCGGAG 540
QY 921 GAGCTCGCCAGGGCGGCTGCTTACTGCAACCTGACATTTGACATTTGGGAGCACAGATC 980
Db 541 GAGCTCGCCAGGGCGGCTGCTTACTGCAACCTGACATTTGACATTTGGGAGCACAGATC 600
QY 981 GGAGAGGAGAGTTTGAGCTGTCTGAGGCTGTCTGAGGCTGAGTACCTGGGCAAAAGTGGCGTG 1040
Db 601 GGAGAGGAGAGTTTGAGCTGTCTGAGGCTGTCTGAGGCTGAGTACCTGGGCAAAAGTGGCGTG 660
QY 1041 AAGAAATATCAAGTGTGATGTGACAGCCAGGCGCTTCTGACAGAGAGCGGCGTCAATGAG 1100
Db 661 AAGAAATATCAAGTGTGATGTGACAGCCAGGCGCTTCTGACAGAGAGCGGCGTCAATGAG 720
QY 1101 AAGATGCAACACAGAACCTGTGTGGTCTCTGGGCTGATCTGTCACACAGGGGCTGTAC 1160
Db 721 AAGATGCAACACAGAACCTGTGTGGTCTCTGGGCTGATCTGTCACACAGGGGCTGTAC 780
QY 1161 ATTGTATGGAGCACTGTGACCAAGGCAACCTGTGAACTTTCTGCGGACCCGGGTGCA 1220
Db 781 ATTGTATGGAGCACTGTGACCAAGGCAACCTGTGAACTTTCTGCGGACCCGGGTGCA 840
QY 1221 GCCTCGTGAACCCGCTGAGCTCCGTGAGTTTCTCTGACGTGGCGGCGGCAATGGAG 1280
Db 841 GCCTCGTGAACCCGCTGAGCTCCGTGAGTTTCTCTGACGTGGCGGCGGCAATGGAG 900
QY 1281 TACCTGGAGAGCAAGAGCTGTGTGCAACCGGACCTGGCGCCCGCAACATCTGTGTCTCA 1340
Db 901 TACCTGGAGAGCAAGAGCTGTGTGCAACCGGACCTGGCGCCCGCAACATCTGTGTCTCA 960
QY 1341 GAGGACCTGTGTGCCAAGGTTCAGCGACTTTGGCTGGCCAAAGCCGAGCGGAAGGGCTA 1400
Db 961 GAGGACCTGTGTGCCAAGGTTCAGCGACTTTGGCTGGCCAAAGCCGAGCGGAAGGGCTA 1020
QY 1401 GACTCAAGCCGCTGCGGCTCAAGTGGACCGCGCCGAGGCTCTCAACACGGGAAGTTC 1460
Db 1021 GACTCAAGCCGCTGCGGCTCAAGTGGACCGCGCCGAGGCTCTCAACACGGGAAGTTC 1080
QY 1461 ACCAGCAAGTCGGATGCTGGAGTTTGGGCTGTCTCTGGAGTCTTCTCATATGGA 1520
Db 1081 ACCAGCAAGTCGGATGCTGGAGTTTGGGCTGTCTCTGGAGTCTTCTCATATGGA 1140
QY 1521 CGGGCTCCGTACCTAAATGTCACTGAAAGAGGTTCGAGGCGCGTGGGAAGAGGGTAC 1580
Db 1141 CGGGCTCCGTACCTAAATGTCACTGAAAGAGGTTCGAGGCGCGTGGGAAGAGGGTAC 1200
QY 1581 CGCATGGAACCCCGAGGGCTGTCCAGGCGCGCTGTCACGCTCTCATGAGCAGCTGCTGG 1640
Db 1201 CGCATGGAACCCCGAGGGCTGTCCAGGCGCGCTGTCACGCTCTCATGAGCAGCTGCTGG 1260
QY 1641 GAGGACAGCGCGCCCGCGGCAACCTTCCGAAACTGGCCGAGAGCTGGCCCGGGAG 1700
Db 1261 GAGGACAGCGCGCGCCCGCGGCAACCTTCCGAAACTGGCCGAGAGCTGGCCCGGGAG 1320
QY 1701 CTAGGAGTGCAGTGGCCCGGAGGCTCGTCTCAGGGCAGGACGCCGAGCGCTCCACCTCG 1760
Db 1321 CTAGGAGTGCAGTGGCCCGGAGGCTCGTCTCAGGGCAGGACGCCGAGCGCTCCACCTCG 1380
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QY 1761 CCCCAGGACCGAGAGCCC 1778
Db 1381 CCCCAGGACCGAGAGCCC 1398

RESULT 10
US-09-741-154-1
; Sequence 1, Application US/09741154
; Patent No. 6437110
; GENERAL INFORMATION:
; APPLICANT: BRASLEY, Ellen M. et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: C1001061
; CURRENT APPLICATION NUMBER: US/09/741,154
; CURRENT FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1713
; TYPE: DNA
; ORGANISM: Human
US-09-741-154-1
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Query Match 68.8%; Score 1377; DB 4; Length 1713;
Best Local Similarity 99.3%; Pred. No. 2.3e-273;
Matches 1383; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

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QY 608 CAGCCTCATCGTGGTTCACCGGGAAGATCTCGGCGCAGGAGGCTGTCCAGCAGCTGCA 667
Db 297 CAGCAGCTTCTCGTGGTTCACCGGGAAGATCTCGGCGCAGGAGGCTGTCCAGCAGCTGCA 356
QY 668 GCCTCCGAGGATGGGCTGTCTCTGTGCGGGAGTCCGCGCGCACCCCGCGGACTACGT 727
Db 357 GCCTCCGAGGATGGGCTGTCTCTGTGCGGGAGTCCGCGCGCACCCCGCGGACTACGT 416
QY 728 CTTGTGCTGAGCTTTGGCGGGAAGTCACTACCGGTGCTGACCGGACCGGCA 787
Db 417 CTTGTGCTGAGCTTTGGCGGGAAGTCACTACCGGTGCTGACCGGACCGGCA 476
QY 788 CTTCAATATCGATAGGCGGTGTTCTCTGCAACCTCATGGACATGGTGGAGCAATACAG 847
Db 477 CTTCAATATCGATAGGCGGTGTTCTCTGCAACCTCATGGACATGGTGGAGCAATACAG 536
QY 848 CAAGGCAAGGGCGCTATCTGCCAAGCTGTGAGACCAAGCCGGAACACGCGGACCA 907
Db 537 CAAGGCAAGGGCGCTATCTGCCAAGCTGTGAGACCAAGCCGGAACACGCGGACCA 596
QY 908 GTGCGCGGAGGAGAGCTGGCCAGGCGGCTGGTTACTGAACTCGACCTGACATTTGACAT 967
Db 597 GTGCGCGGAGGAGAGCTGGCCAGGCGGCTGGTTACTGAACTCGACCTGACATTTGACAT 656
QY 968 GGGAGCACAGATCGGAGAGGAGAGTTTGAGCTGTCTGCAAGGTGAGTACCTGGGGCA 1027
Db 657 GGGAGCACAGATCGGAGAGGAGAGTTTGAGCTGTCTGCAAGGTGAGTACCTGGGGCA 716
QY 1028 AAGGTGGCGGTGAAGATATCAAGTGTGATGTGACAGCCCGGCTTCTCTGGAACAGAC 1087
Db 717 AAGGTGGCGGTGAAGATATCAAGTGTGATGTGACAGCCCGGCTTCTCTGGAACAGAC 776
QY 1088 GGCCTGATGACGAAGATGCAACAGAGAACCTGGTGGCTCTCTGGGCGTGTATCTGCA 1147
Db 777 GGCCTGATGACGAAGATGCAACAGAGAACCTGGTGGCTCTCTGGGCGTGTATCTGCA 836
QY 1148 CCAGGGCTGTACATTTGATGAGGACAGTGAAGGCAACCTGGTGAACCTTTCTGCG 1207
Db 837 CCAGGGCTGTACATTTGATGAGGACAGTGAAGGCAACCTGGTGAACCTTTCTGCG 896
QY 1208 GACCGGGGTGAGGCGCTCTGTGAACACCGCTCAGCTCTGCAAGTCTTCTGCAAGTGC 1267
Db 897 GACCGGGGTGAGGCGCTCTGTGAACACCGCTCAGCTCTGCAAGTCTTCTGCAAGTGC 956
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1268	CGAGGGCATGGAGTACTGTGAGAGCAAGAAGCTTTGCAACCGGCACTGTGCCTCCCGCGAA	1327
957	CGAGGGCATGGAGTACTGTGAGAGCAAGAAGCTTTGCAACCGGCACTGTGCCTCCCGCGAA	1016
1328	CATCTCTGGTCTCAGAGCACTGTGGCCAAAGGTCAGCGACTTTTGGCTGTGCAAAAGCCGA	1387
1017	CATCTCTGGTCTCAGAGCACTGTGGCCAAAGTTCAGCGACTTTTGGCTGTGCCTGCAAGCCGA	1076
1388	CGCGAAGGGGCTAGACTCAAGCCGGGTGCCCGTCAAGTGAACGGCGCCGAGGCTCTCAA	1447
1077	CGCGAAGGGGCTAGACTCAAGCCGGGTGCCCGTCAAGTGAACGGCGCCGAGGCTCTCAA	1136
1448	ACACGGGAAGTTCACACGAGAAGTCGATGCTGTGAGTTTGGGGTGTCTGTCTGGAGAGT	1507
1137	ACACGGGAAGTTCACACGAGAAGTCGATGCTGTGAGTTTGGGGTGTCTGTCTGGAGAGT	1196
1508	CTTCTCATATGGACGGGCTCCGTACCCCTAAATGTTCATCAAAAGAGGTGTGCGAGAGCCGT	1567
1197	CTTCTCATATGGACGGGCTCCGTACCCCTAAATGTTCATCAAAAGAGGTGTGCGAGAGCCGT	1256
1568	GGAGAAAGGGTACCGCATGCAACCCCCCGAGGGGTGTCCAGGGCCCCGTGCAAGTCTCAT	1627
1257	GGAGAAAGGGTACCGCATGCAACCCCCCGAGGGGTGTCCAGGGCCCCGTGCAAGTCTCAT	1316
1628	GACAGAGTGTGGAGGGCAGAGCCGCCGCCCGCCGAGCAACCTTCGGCAAACTGGCCGAGAA	1687
1317	GACAGAGTGTGGAGGGCAGAGCCGCCGCCCGCCGAGCAACCTTCGGCAAACTGGCCGAGAA	1376
1688	GCTGGCCCGGAGCTACGAGTGCAGTGTGCCCGCCAGACCTCCGCTCTCAGGGCAGAGACCCGA	1747
1377	GCTGGCCCGGAGCTACGAGTGCAGTGTGCCCGCCAGACCTCCGCTCTCAGGGCAGAGACCCGA	1436
1748	CGGCTTCACCTCCGCCCCAGACCGCAGGAGCCCTGACCCCAACCGGTGGGGCCCTTGGCCCC	1807
1437	CGGCTTCACCTCCGCCCCAGACCGCAGGAGCCCTGACCCCAACCGGTGGGGCCCTTGGCCCC	1496
1808	AGAGGACCGAGAGTGGAGTGTGGCGCTGGGGGCACTGACACGGGCCCAAGAGAGGTCC	1867
1497	AGAGGACCGAGAGTGGAGTGTGGCGCTGGGGGCACTGACACGGGCCCAAGAGAGGTCC	1556
1968	AGCGGGCAGTTCATCTCTCTGTGCCCAACAGCAGGGGTGTGCCCACTAGTAGGGGGTCTG	1927
1557	AGCGGGCAGTTCATCTCTCTGTGCCCAACAGCAGGGGTGTGCCCACTAGTAGGGGGTCTG	1616
1928	GGCGGGCCGTGGACACCCACAGCTCGAAGGATGATCGCCCGATAAAGACGGATTCTAA	1987
1617	GGCGGGCCGTGGACACCCACAGCTCGAAGGATGATCGCCCGATAAAGACGGATTCTAA	1676
1988	GGACTCTAAAAA 2000	
1677	GGAAAAA 1689	

RESULT 11

RESULT II
US-08-604-989A-3

Sequence 8, Application US/08604989A

; Patent No. 5834208

GENERAL INFORMATION:

; APPLICANT: Sakano, S.

; TITLE OF INVENTION: NO.

; NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS

; CORRESPONDENCE ADDRESS:
ADDRESS FORM NO. 1

; ADDRESSEE: Pennie & F
: STREET: 1155 Avenue C

STREET: 1155 AVENUE C
CITY: New York

CLIT: New York
STATE: New York

COUNTRY: USA ;

ZIP: 10036-2711

; COMPUTER READABLE FORM:

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;
MEDIUM TYPE: Diskette

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; IBM COMPATIBLE
; OPERATING SYSTEM: DOS

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; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSP0 VER

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; SOFTWARE: FASTSEQ VER
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/604,989A
FILING DATE: February 23, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Charles E. Miller
REGISTRATION NUMBER: 24,576
REFERENCE/DOCKET NUMBER: 1920-026
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 738 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA to mRNA
ORIGINAL SOURCE:
ORGANISM: human
STRAIN: UT-7
US-08-604-989A-8

Query Match	36.9%	Score 738	DB 2	Length 738
Best Local Similarity	100.0%	Pred. No. 1.5e-142		
Matches 738	Conservative 0	Mismatches 0	Indels 0	Gaps 0
Qy	554	CAGCATTTGACATTGGGAGCACAGATCGGAGAGGGAGAGTTGGAGCTGTCTCTGCAGGGT	1013	
Db	1	CAGCATTTGACATTGGGAGCACAGATCGGAGAGGGAGAGTTGGAGCTGTCTCTGCAGGGT	60	
Qy	1014	GAGTACCTGGGGCAAAGAGTGGCCGTGAAGATATCAAGTGTGATGTGACAGCCCCAGGCC	1073	
Db	61	GAGTACCTGGGGCAAAGAGTGGCCGTGAAGATATCAAGTGTGATGTGACAGCCCCAGGCC	120	
Qy	1674	TTCTTGACAGAGACGGCCGTTCATGACAGATGTGACACAGAGAACCTGGTGGCTTCCTG	1133	
Db	121	TTCTTGACAGAGACGGCCGTTCATGACAGATGTGACACAGAGAACCTGGTGGCTTCCTG	180	
Qy	1134	GGCGTGATCTGCACACAGGGGCTGTACATTTGTCTATGAGCACCTGTGACAGGGCAACTG	1193	
Db	181	GGCGTGATCTGCACACAGGGGCTGTACATTTGTCTATGAGCACCTGTGACAGGGCAACTG	240	
Qy	1194	GTGAACCTTTCTGGGACACCGGGTTCGAGCCCTCGTGAACACCGCTCAGCTTCCTGCAGTTT	1253	
Db	241	GTGAACCTTTCTGGGACACCGGGTTCGAGCCCTCGTGAACACCGCTCAGCTTCCTGCAGTTT	300	
Qy	1254	TCCTGCACTGCGCGAGGACATGGAGTACCTTGAGAGCAAGAGCTTTGTCACCGCGAC	1313	
Db	301	TCCTGCACTGCGCGAGGACATGGAGTACCTTGAGAGCAAGAGCTTTGTCACCGCGAC	360	
Qy	1314	CTGGCCGCGCGACATCTCTGTCTCAGAGGACCTGTGGCCCAAGTTCAGGACTTTGGC	1373	
Db	361	CTGGCCGCGCGACATCTCTGTCTCAGAGGACCTGTGGCCCAAGTTCAGGACTTTGGC	420	
Qy	1374	CTGGCCAAAGCCGAGCGGAAGGGGCTAGACTCAAGCCGGCTGCCCGCTCAAGTGGACGGCG	1433	
Db	421	CTGGCCAAAGCCGAGCGGAAGGGGCTAGACTCAAGCCGGCTGCCCGCTCAAGTGGACGGCG	480	
Qy	1434	CCGAGGCTCTCAAAACACGGGAAGTTACACAGCAAGTCGGATGTCTGGAGTTTGGGGTG	1493	
Db	481	CCGAGGCTCTCAAAACACGGGAAGTTACACAGCAAGTCGGATGTCTGGAGTTTGGGGTG	540	
Qy	1494	CTGCTCTGGGAGTCTTCTCATATGACGGGCTCCGTACCCCTAAATGTCACTGAAAGAG	1553	
Db	541	CTGCTCTGGGAGTCTTCTCATATGACGGGCTCCGTACCCCTAAATGTCACTGAAAGAG	600	
Qy	1554	GTGTCGAGGCGCTGGAGAGAGGGGTACCGCATGGAAACCCCGAGGGCTGTCCAGGGCCC	1613	
Db	601	GTGTCGAGGCGCTGGAGAGAGGGGTACCGCATGGAAACCCCGAGGGCTGTCCAGGGCCC	660	
Qy	1614	GTGCACGTCCTCATGACAGCTGCTGGAGGACAGAGCCGCCGCCGCCGCCACCTTCCGC	1673	

Db 661 GTGCACTGCTCATGAGCAGCTGCTGGAGGAGAGCCGCCCGCGCCACCCCTTCGCG 720
Qy 1674 AAAGTGGCGGAGAGCTG 1691
Db 721 AAAGTGGCGGAGAGCTG 738
RESULT 12
US-09-023-655-1267
; Sequence 1267, Application US/09023655
; Patent No 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCVTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1267:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2187 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g30255
US-09-023-655-1267
Query Match 27.4%; Score 547.6; DB 4; Length 2187;
Best Local Similarity 64.9%; Pred. No. 1.9e-103;
Matches 846; Conservative 0; Mismatches 449; Indels 9; Gaps 2;
Qy 395 CTGGGCCCCGGGACCCAGTGTATCACCAGATGGGACACCCGCCCGCCAGCCAGGGGA 454
Db 154 CTGGCCATCCGGTACAGAAATGTATGCCAAGTACAACTTCCACGGCACTGCCGAGCAGGA 213
Qy 455 GCTGGCCCTCCGGAAGGGGAGGTTGTCACATCCTGGAGGCTGGAGAACAGAGCTG 514
Db 214 CTTGCCCTTCTGCAAGAGAGAGCTGTACCAATTTGGCCGTACCAAGAGACCCCACTG 273
Qy 515 GTACCGCGTCAAGCACACACACAGTGTGACAGAGGGGCTCTGCGAGCTGGGCGCTGG 574
Db 274 GTACAAAGCCA--AAACAGAGTGGGCGGTGAGGGCATCATCCAGCCCACTACGTCCA 330

Qy 575 GGAGGGAGGCCCCCTCTCCGCGAGACCCCAAGCTCAGCTCATGCCGTGTTTCCACGGGAA 634
Db 331 GAAAGGGAGGGCTGGAAGGGGGTACCAAACTCAGCTCAGCTCATGCCCTGTTTCCACGGGAA 390
Qy 635 CATCTCGGGCCAGGAGGCTGTCCAGCAGCTCCCGAGGATGGGCTTCTCTCTGTT 694
Db 391 GATCACAGGGAGCAGGCTGAGCGCTTCTGTACCCGCGGAGACAGGCTGTTCTCTGTT 450
Qy 695 GCGGAGTTCGCGGCCACCCCGGGGACTAGCTCTGTCTGCTGAGCTTTGGCCGCGAGT 754
Db 451 GCGGAGAGACCAACTACCCCGGAGACTACGCTGTGCTGAGCTCCGAGCGCAAGT 510
Qy 755 CATCACTACCGGCTGTGACCCGCGAGCGCACCTCAATTCGATGAGGCGCTTCTT 814
Db 511 GGAGCACTACCGCACTCACTGATCCATCCAGAGCTCAGCTCAGCAGGAGGCTACT 570
Qy 815 CTGAACCTCATGCACTGGTGGAGCACTACAGCAAGAGCAAGGGCGCTATCTGCACAA 874
Db 571 TGAGAACTCATGCACTGGTGGAGCACTACACCTCAGACGCACTGCACTCTGTACCG 630
Qy 875 GCTGTGAGACCAAGCGGAACACGGGACCAAGTCCGCGCGAGGAGGCTGGCCAGGG 934
Db 631 CTTCAATTAAACCAAGGCTATGGAGGCACTAGTGGCGGCCAGGATGATTTCTACCGGAG 690
Qy 935 GGGCTGCTTACTGAACCTGCGAGCATTTGACATTTGGGAGCACAGATCGGAGAGGAGT 994
Db 691 CGGCTGGGCCCTGAAACATGAGGAGCTGAGCTGCTGCAGACCACTCGGAGAGGGAGT 750
Qy 995 TGGAGCTGTCTGCGAGGCTGAGTACCTGGGGCAAGAGTGGCGGTGAAGATATCAAGTG 1054
Db 751 CGGAGACGTGATGCTGGCGGATTTACCGAGGGAACAAGTCCGCTCAAGTGCATTAAAGAA 910
Qy 1055 TGATGTGACGCCAGGCTTCTCGGAGAGCGGCGCTCATGACGAGATGCAACAGCA 1114
Db 811 CGACGCCACTGCCAGGCTTCTCGCTGAAGCCCTCAGTCATGACGCACTCGGCGATAG 870
Qy 1115 GAACCTGCTGCTCTCTGGGCGTATCTGTGACACAG-----GGGCTGTATCTGTCTAT 1168
Db 871 CAACCTGCTGAGCTCTCTGGGCGTATCTGTGAGGAGAGGGCGGCTCTACATGCTAC 930
Qy 1169 GGAGCACTGAGCAAGGGCAACTGGTGAACCTTTCTGCGGACCCGGGGTGGAGCCCTCT 1228
Db 931 TGAGTACATGGCCAAAGGGGAGCTTTGTGACTACCTGCGCTGTAGGGGTCTGCTCAT 990
Qy 1229 GAACACCGCTAGCTCTCTCAGTCTTCTGTCACCTGGCCGAGGCGCATGAGTACCTG 1288
Db 991 GGGCGGAGACTGTCTCTCAAGTCTCTGCTAGATGTCTCGAGGCGCATGAAATACCTG 1050
Qy 1289 GAGCAAGAGCTTGTGCAACCGGACCTGGCCCGCCGCAACATCCTGCTCTCAGAGACCT 1348
Db 1051 GGGCAACAATTTCTGTCATCGAGACTGCTGCTGCCCGCATGTCTGTCTGTAGGACAA 1110
Qy 1349 GGTGCGCAAGGTCAGCGACTTTGGGCTGGCCAAAGCCGAGCGGAGGGGCTAGACTCAAG 1408
Db 1111 CGTGCCAAAGTTCAGCGACTTTGGTCTCACCAGGAGGCGCTCCAGCACCCAGGACACGG 1170
Qy 1409 CCGGTGCGCGCTCAAGTGAACCGCGCCCGAGCTCTCAACACGGGAACTTACCAGCA 1468
Db 1171 CAAGTGCAGCTCAAGTGAACCGCGCTTGGGCGCTTGAAGAGAGAAATTTCTCCACTAA 1230
Qy 1469 GTCGGATGTCTGGAGTTTGGGCTGTCTCTGGGAGGCTTCTCTATATGAGCGGCTCC 1528
Db 1231 GTCTGAGCTGTGGAGTTTCGGATCTTCTCTGGGAAATCTACTCTTTTGGCGAGTGC 1290
Qy 1529 GTACCTCAAAATGTCTCAAAAGAGGTGCGGAGCGCTGGAGAGGGGTACCGATGGA 1588
Db 1291 TTATCCAGAAATCCCTGAAGGACGCTGCTCCCTGGGTGGGAGGGGTACAGATGGA 1350
Qy 1589 ACCCCCCGAGGCTGTCCAGGCGCCCTGACCTGCTCATGAGCAGCTGTGGGAGGCGA 1648
Db 1351 TGCCCCCGAGGCTGTCCCGCCCGCTGCTATGAAGTCAAGAACTGTGGCACTGTGGCACT 1410
Qy 1649 GCGCGCCCGCGGCCACCCCTTCCGCAAACTGGCGCGAGAGCTGG 1692

Db 411 CGCCGCCATCGGCCCTCTCTCTACAGCTCCGAGAGAGCTTG 1454

RESULT 13

US-09-470-881-4

; Sequence 4, Application US/09470881

; Patent No. 6685938

; GENERAL INFORMATION:

; APPLICANT: CHERESH, David A.

; APPLICANT: ELICEIRI, Brian

; TITLE OF INVENTION: METHODS AND COMPOSITIONS USEFUL FOR MODULATION OF

; TITLE OF INVENTION: ANGIOGENESIS AND VASCULAR PERMEABILITY USING SRC OR

; TITLE OF INVENTION: YES TYROSINE KINASES

; FILE REFERENCE: TSRI 651.2

; CURRENT APPLICATION NUMBER: US/09/470,881

; CURRENT FILING DATE: 1999-12-22

; PRIOR APPLICATION NUMBER: PCT/US99/11780

; PRIOR FILING DATE: 1999-05-28

; PRIOR APPLICATION NUMBER: 60/087,220

; PRIOR FILING DATE: 1998-05-29

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 4

; LENGTH: 2187

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: gene

; LOCATION: (1..2187)

; OTHER INFORMATION: human c-src cDNA

; NAME/KEY: CDS

; LOCATION: (134)..(1483)

US-09-470-881-4

Query Match 27.4%; Score 547.6; DB 4; Length 2187;

Best Local Similarity 64.9%; Pred. No. 1.9e-103;

Matches 846; Conservative 0; Mismatches 449; Indels 9; Gaps 2;

QY 395 CTGGGCCCCGGGACCCAGTGTATCAACCAANTGCGAGACACCCGCCCCCAAGCCAGGGA 454

Db 154 CTGGCCATCCGGTACAGATGATTTGCCAAGTACACTTCCAGCGCACTGCCAGCAGGA 213

QY 455 GTGGGCTTCGGAGAGGCGAGTGTGTACCAATCTGGAGGCTTGGAGAACAGAGCTG 514

Db 214 CTTGGCCCTTCTGCAAGGAGAGCTGTCTACCAATGTGGGCGGTACCAAGACCCCAACTG 273

QY 515 GTACCGCTCAAGCACACACAGTGTGACAGAGGAGGCTGTGCGAGCTGGGCGCGTGG 574

Db 274 GTACAAAGCA---AAACAAGTGGCGCTGTGAGGCAATCCAGGCCAACTACGTCCA 330

QY 575 GGAGCGGAGGCGCTCTCCGCGAGACCCCAAGCTCAGCCTCATGCCCTGTTCACCGGAA 634

Db 331 GAAGCGGAGGCGGTGAAGCGGGTACCAAACTACGCTCATGCCCTGTTCACCGGAA 390

QY 635 GATCTGGGCGAGAGGCTGTCCAGAGCTGTGAGCTCCGAGCTCCGAGATGGGCTTCTGGT 694

Db 391 GATCACGCGGAGAGGCTGAGCGGCTTCTGTACCCGCGGAGACAGCGCTGTTCCTGGT 450

QY 695 GCGGAGTCCGCGCGCACCCCGCGGACTACGCTCTGTGCTGAGCTTTGGCGCGCAGCT 754

Db 451 GCGGAGAGCACCACTACCCCGGAGACTACAGCTGTGGTGTGAGCTGTCCAGCGAGGT 510

QY 755 CATCCACTACCGGTGTGTGACCGCGAGCCCACTTCAATCATGATGAGCGCGTGTCTT 814

Db 511 GGAGCACTACCGATCATGTACCATGCCAGAGCTCAGCATCGAGGAGGTGACTT 570

QY 815 CTGCAACTCATGACATGTGTGAGCANTTACAGAGGACAGGCGCTATCTGCACCAA 874

Db 571 TGAGAACTCATGAGCTGTGTGAGCACTACACCTCAGACGCGAGATGGACTCTGTACGG 630

QY 875 CTTGGTGTAGACCAAGCGGAAACACGCGGACCAAGTCCGCGGAGAGGCTGCGCAGGGC 934

631 CCTCATTAAACCAAAAGGTCTATGAGGGGCACAGTGGCGGCCCCAGGATGAGTTCTACCGCAG 690

QY 935 GGGTGGTTACTGTAACCTTGACGATTTTCACATTGGGAGCACAGATCGGAGGGGAGAGTT 994

Db 691 CGGCTGGGCCCTTGAAACATGAAAGGAGCTGAAGCTGTGCAAGCCATCGGAAAGGGGAGTT 750

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QY 1055 TGATGTGACCCCGACGGCTTCTTGGAGCAGACGGCCCTGTATGAGAAATGCAACACGA 1114

Db 811 CGACCCACTGCCAGGCTTCTCTGGTGAAGCCTCACTCATGACGCAACTCGCGCATAG 870

QY 1115 GAACTGGTGGTCTCTCTGGGGGTGATCTGTCAACAG-----GGCTGTACATTGTCAAT 1168

Db 871 CAACCTGTGTGAGTCTCTGGGGGTGATCTGTGAGGAGAGGGCGGGCTCTACATGTCTAC 930

QY 1169 GAGCACGTGAGCAAGGGGCACTCTGTGAACCTTTCTGGGACCCCGGGTTCGAGCCCTGT 1228

Db 931 TGAGTACATGCGCAAGGGAGCGCTTGTGCACTACCTGGGTCTAGGGTTCGGTCAGTGCT 990

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QY 1289 GAGGAGAGAGCTTGTGCAACCGGACCTGGCCCGCCCAACATCTCTGGTCTCAGAGACCT 1348

Db 1051 GGGCAACAAATTTCTGTGCACTGAGAGCTTGGTCTCAACAAAGGAGGCTCCAGCAACCGGG 1110

QY 1349 GGTGGCCAAAGTCAAGCACTTTGGGCTGTGGCCAAAGCCGAGCGGAAGGGCTAGACTCAAG 1408

Db 1111 CGTGCCCAAGTCAAGCACTTTGGTCTCAACAAAGGAGGCTCCAGCAACCGGG 1170

QY 1409 CCGGCTGGCCCTCAAGTGAACGGCCCGGAGGCTCTCAACACGGGAAGTTCACAGCAAA 1468

Db 1171 CAAGCTGCGAGTCAAGTGGACACAGCCCTGAGGCCCTGAGAGAGAGAAATCTCCACTAA 1230

QY 1469 GTCCGATGTCTGAGTTTGGGGTGTCTCTGGAGGTCTTCTCATATGAGACGGGCTCC 1528

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QY 1529 GTACCTCAAAATGTCACTGAAAGAGGTGTGCGAGGCGGTGGAGAGGGGTACCGCATGGA 1588

Db 1291 TTATCCAGAAATTCCTCTGAGAGAGCTCTGCTCCGCTGGAGAGAGGGCTTACAGATGGA 1350

QY 1589 ACCCCCGGAGGCTGTCCAGCCCGCTGTGACGCTCTCATGAGCAGCTGTGGGAGGCGAGA 1648

Db 1351 TGCCCGGACGGTGTCCCGCCGCGAGCTTATGAAGTCAATGAAGTCAATGAAGTCTGCTGGCACTGGA 1410

QY 1649 GCGCGCCCGCGGCCACCTTCCGCAAACTGGCCGAGAGAGCTGG 1692

Db 1411 CGCGGCTATGCGGCCCTCTCTCTACAGTCCGAGAGAGCTTG 1454

RESULT 14

US-09-741-154-3

; Sequence 3, Application US/09741154

; Patent No. 6437110

; GENERAL INFORMATION:

; APPLICANT: BEASLEY, Ellen M. et al

; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

; TITLE OF INVENTION: THEREOF

; FILE REFERENCE: CL001061

; CURRENT APPLICATION NUMBER: US/09/741,154

; CURRENT FILING DATE: 2000-12-21

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 16389

; TYPE: DNA

; ORGANISM: Human

US-09-741-154-3

Query Match 22.8%; Score 455; DB 4; Length 16389;
Best Local Similarity 100.0%; Pred. No. 2.5e-64;
Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1541 GTCACGAAAGAGGTGTCGAGGCGCTGAGAGGGGTACCGCATGGAACCCCGGAGGG 1600
DB 13941 GTCACGAAAGAGGTGTCGAGGCGCTGAGAGGGGTACCGCATGGAACCCCGGAGGG 14000
QY 1601 CNGTCCAGGCCCGTGCAGTCTCATGACAGCTGCTGGAGGCGAGACCCCGCGCGG 1650
DB 14001 CNGTCCAGGCCCGTGCAGTCTCATGACAGCTGCTGGAGGCGAGACCCCGCGCGG 14060
QY 1661 GGCACCTTCCCAACTGCGGAGAGCTGCCCGGAGCTACCGATGCGAGTGCCTCC 1720
DB 14061 GGCACCTTCCCAACTGCGGAGAGCTGCCCGGAGCTACCGATGCGAGTGCCTCC 14120
QY 1721 AGCCTCCGCTCAGGCGAGGACCGGACCGGCTCCACCTCGCCCGGAGGAGCCCTG 1780
DB 14121 AGCCTCCGCTCAGGCGAGGACCGGACCGGCTCCACCTCGCCCGGAGGAGCCCTG 14180
QY 1781 ACCCACCCGGTGGGCGCTTGGCCCGGAGAGACCGAGAGTGGAGAGTGGCGGTGG 1840
DB 14181 ACCCACCCGGTGGGCGCTTGGCCCGGAGAGACCGAGAGTGGAGAGTGGCGGTGG 14240
QY 1841 GGCACGACCGGCGGCGGAGGCTCCAGCGGCGAAGTCATCTCTGTCGCCACAGC 1900
DB 14241 GGCACGACCGGCGGCGGAGGCTCCAGCGGCGAAGTCATCTCTGTCGCCACAGC 14300
QY 1901 AGGGGCTGCCACAGTGGGGGCTCTGGGGCGGCGTGGACACCCCGAGACCTTGCAGAGGA 1960
DB 14301 AGGGGCTGCCACAGTGGGGGCTCTGGGGCGGCGTGGACACCCCGAGACCTTGCAGAGGA 14360
QY 1961 TGATGCCCGATTAAGACCGATTCTAAGGACTCTA 1995
DB 14361 TGATGCCCGATTAAGACCGATTCTAAGGACTCTA 14395

RESULT 15

US-09-604-989A-7
; Sequence 7, Application US/08604989A
; Patent No. 5834208
; GENERAL INFORMATION:
; APPLICANT: Sakano, S.
; TITLE OF INVENTION: No. 5834208el Tyrosine Kinase
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds LLP
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/604,989A
; FILING DATE: February 23, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Charles E. Miller
; REGISTRATION NUMBER: 24,576
; REFERENCE/DOCKET NUMBER: 1920-026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-3090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 225 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; ORIGINAL SOURCE:
; ORGANISM: human
; STRAIN: UT-7
; US-09-604-989A-7

Query Match 11.2%; Score 225; DB 2; Length 225;
Best Local Similarity 100.0%; Pred. No. 1.5e-37;
Matches 225; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 621 TGGTTCACGGGAAGATCTCGGGCCAGGAGGCTGTCCAGCAGCTGCAGCCTCCCGAGGAT 680
DB 1 TGGTTCACGGGAAGATCTCGGGCCAGGAGGCTGTCCAGCAGCTGCAGCCTCCCGAGGAT 60
QY 681 GGGCTGTTCCTGGTGGGGAGTCCCGCGCCACCCCGCGGCTAGCTCTGTGCGTGAGC 740
DB 61 GGGCTGTTCCTGGTGGGGAGTCCCGCGCCACCCCGCGGCTAGCTCTGTGCGTGAGC 120
QY 741 TTGSCCGCGACGTCATCCACTACCGCTGTGTGCAACCGGACGGCACTCAATCGAT 800
DB 121 TTGSCCGCGACGTCATCCACTACCGCTGTGTGCAACCGGACGGCACTCAATCGAT 180
QY 801 GAGGCCGTGTCTTCTGCAACCTCATGACATGGTGGAGCATTTAC 845
DB 181 GAGGCCGTGTCTTCTGCAACCTCATGACATGGTGGAGCATTTAC 225

Search completed: May 21, 2004, 09:09:48
Job time : 160 secs